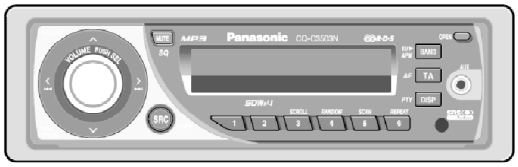
ORDER NO.ACED060112C8

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C3503N / CQ-C3303N

MP3 CD Player/Receiver



(CQ-C3503N)

SPECIFICATIONS

Specifications*

General	
Power Supply	**DC 12V (11V - 16V),** **Test Voltage 14.4V** **Negative Ground**
Current Consumption	**Less than 2.1A (CD mode ; 0.5W 4-channels)**
Maximum Power Output	**50W×4 (at 4 Ω)**
Power Output	**22W×4 (DIN45 324, at 4 Ω)**
Tone Adjustment Range	**Bass ; ±12dB at 100Hz** **Treble ; ±12dB at 10kHz**
Speaker Impedance	**4-8 Ω**
Pre-Amp Output Voltage	**2.5V (CD mode)**
Pre-Amp Output Impedance	**200 Ω**
Front AUX Input	
Input Impedance	**10k Ω**
Allowable External Input	**2.0V**
Connector	**3.5mm Stereo mini-pin**
FM Stereo Radio	
Frequency Range	**87.5MHz - 108MHz**
Usable Sensitivity	**6dB/ μ V (S/N 30dB)**
Stereo Separation	**35dB (at 1kHz)**

AM (MW) Radio	
Frequency Range	**531kHz - 1,602kHz**
Usable Sensitivity	**27dB/ μ V (S/N 20dB)**
AM (LW) Radio	
Frequency Range	**153kHz - 279kHz**
Usable Sensitivity	**32dB/ μ V (S/N 20dB)**
CD Player	
Sampling Frequency	**8 Times Oversampling**
DA Converter	**1bit DAC System**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wave Length	**790nm**
Frequency Response	**20Hz to 20kHz (±1dB)**
Signal to Noise Ratio	**93dB**
Total Harmonic Distortion	**0.01% (1kHz)**
Wow and Flutter	**Below measurable limits**
Channel Separation	**75dB**
Dimensions**	**178×50×160mm**
Weight**	**1.4kg**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

-Above specifications comply with EIA standards.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

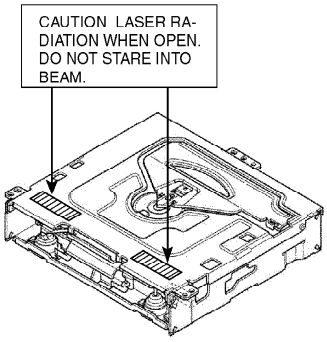
- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.**
- **Pb free solder will tend to splash when heated too high (about 1100°F/600°C)**
- **This lead free solder will be used for the products after serial No. 1,000,001.**

2. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

3. FEATUERS

- **Large-sized volume control.**
- **SQ (Sound Quality).**
- **SRS TruBass ® [CQ-C3503N].**
- **The AUX input terminal is equipped on the front panel.**
- **This manual is for 2 models CQ-C3503N and CQ-C3303N. The following table describes the differences between 2 models.**

Features \ Models	CQ-C3503N	CQ-C3303N
Luminescent color of buttons	Green/Red	Red
Pre-amp output	Front/Rear	Rear
SRS TruBass	Yes	No
Remote Control Unit	Supplied	Option

4. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

5. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

6. NOTES

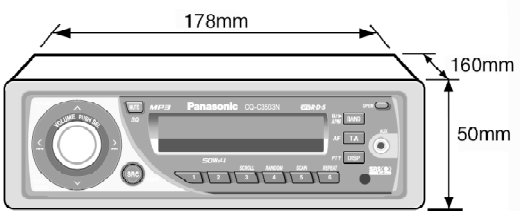
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

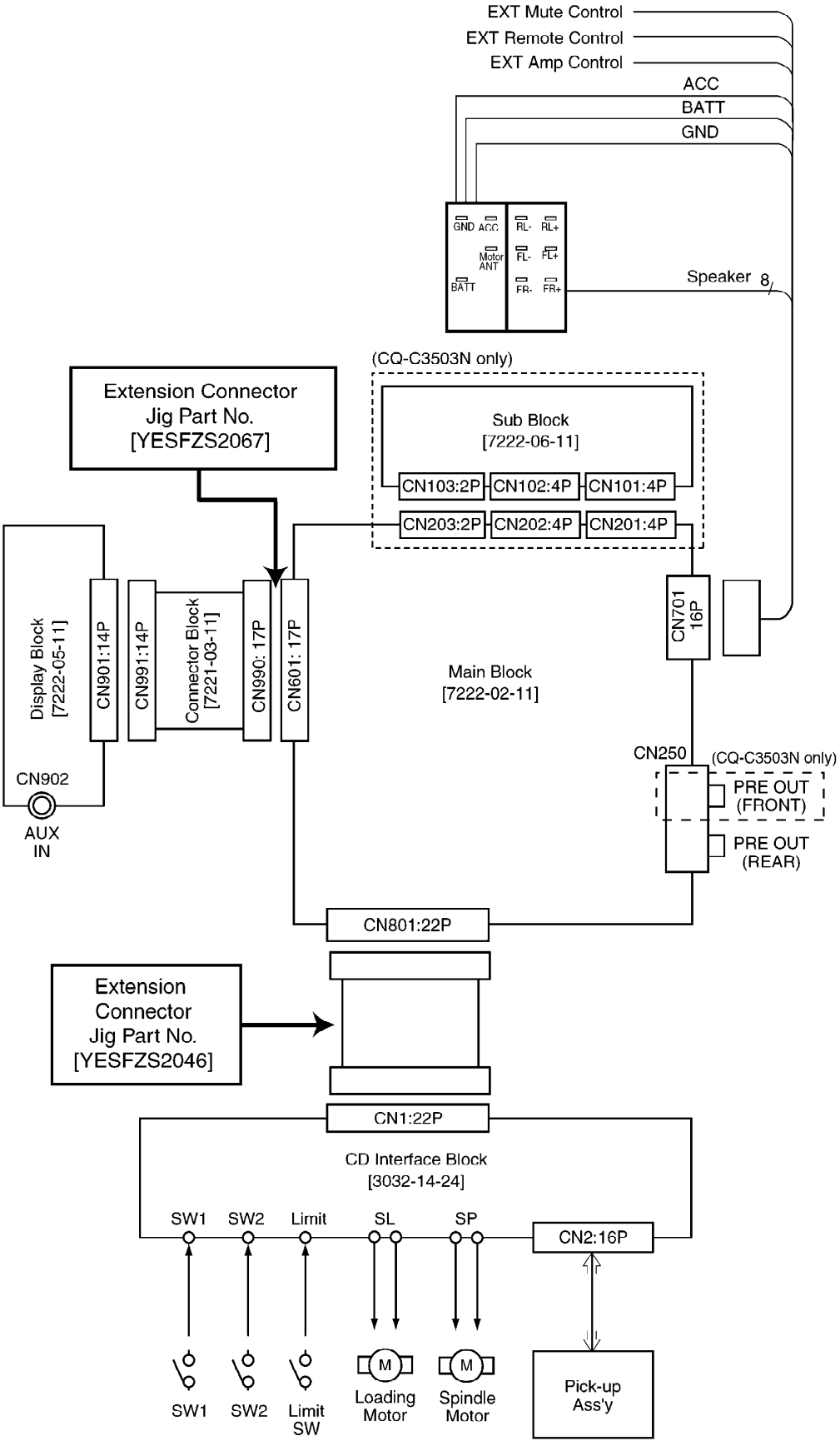
[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

7. DIMENSIONS



8. WIRING CONNECTION


EXT Mute Control
EXT Remote Control
EXT Amp Control
ACC
BATT
GND
GND ACC
Motor ANT
BATT
RL- RL+
FL- FL+
FR- FR+
Speaker 8
(CQ-C3503N only)
Extension Connector Jig Part No. [YESFZS2067]
Sub Block [7222-06-11]
CN103:2P
CN102:4P
CN101:4P
CN203:2P
CN202:4P
CN201:4P
Display Block [7222-05-11]
CN901:14P
CN991:14P
Connector Block [7221-03-11]
CN990: 17P
CN601: 17P
CN701 16P
Main Block [7222-02-11]
CN902
AUX IN
CN250
(CQ-C3503N only)
PRE OUT (FRONT)
PRE OUT (REAR)
CN801:22P
Extension Connector Jig Part No. [YESFZS2046]
CN1:22P
CD Interface Block [3032-14-24]
SW1
SW2
Limit
SL
SP
CN2:16P
SW1
SW2
Limit SW
M
Loading Motor
M
Spindle Motor
Pick-up Ass'y

9. TERMINALS DESCRIPTION

9.1. Main Block

IC601 : YESAM356

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	XIN	Crystal oscillator	I	2.5	2.5	2.5
2	TEST2	Ground	I	0	0	0
3	VREG	Bypass condenser connected.	O	2.9	2.9	2.9
4	VSSCPU	Ground	-	0	0	0
5	NC	-	-	-	-	-
6	NC	-	-	-	-	-
7	NC	-	-	-	-	-
8	NC	-	-	-	-	-
9	LCD DO	LCD data output	I	5	5	5
10	LCD DI	LCD data input	O	4.9	5	4.9
11	LCD CLK	LCD clock	O	5.1	5.1	5.1
12	LCD CE	LCD chip enable output	O	0	0	0.3
13	CD DO	CD data output	I	5.1	5.2	4
14	CD DI	CD data input	O	0	0	4.6
15	CD CLK	CD clock	O	4.9	49	4.9
16	CD CE	CD chip enable	O	0	0	1
17	CD LM (+)	CD loading motor control	O	0	0	0
18	CD LM (-)	CD loading motor control	O	0	0	0
19	CD S/L	CD spindle motor control	O	5.1	5.1	5.1
20	SUB READY	Sub CPU ready signal	I	0	0	5
21	CD INSW1	CD insert SW input	I	0	0	0
22	CD SW2	CD mechanism SW2	I	5.1	5.1	0
23	CD LIMIT SW	CD limit SW	I	0.2	0.2	5.1
24	CD MUTE	CD Mute signal	I	5.1	5.1	5.1
25	CD RST	CD reset	O	5.1	5.1	5.1

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
26	CD DMUTE	CD mute	O	0	0	5.1
27	LOW BATT	Battery low level detect	I	5.1	5.1	0
28	NC	-	-	-	-	-
29	PANEL	Panel detect switch	I	0	0	0
30	NC	-	-	-	-	-
31	NC	-	-	-	-	-
32	NC	-	-	-	-	-
33	NC	-	-	-	-	-
34	NC	-	-	-	-	-
35	TBASS	TruBASS IC contorol	O	0	0	0
36	NC	-	-	-	-	-
37	NC	-	-	-	-	-
38	NC	-	-	-	-	-
39	VDD PORT	Power supply (+5V)	-	5.1	5.1	5.1
40	VSS PORT	Ground	-	0	0	0
41	NC	-	-	-	-	-
42	NC	-	-	-	-	-
43	NC	-	-	-	-	-
44	NC	-	-	-	-	-
45	NC	-	-	-	-	-
46	NC	-	-	-	-	-
47	NC	-	-	-	-	-
48	NC	-	-	-	-	-
49	PWR CNT	Power on control	O	4.9	5	5
50	AMP CNT	Amp control signal	O	5.1	5.1	5.1
51	AMP MUTE	Power IC mute signal	O	5.1	5.1	5.1
52	STBY	Power IC standby control	O	5.1	5.1	5.1
53	SSC	Tuner search sensitivity change	O	0	0	5.1
54	AF MUTE	AF mute	O	5.1	5.1	5.1
55	I2C DATA	Electronic VOL data	O	5.1	5.1	5.1
56	I2C CLK	Electronic VOL clock	O	5.1	5.1	5.1
57	NC	-	-	-	-	-

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
58	POWER LED	Power LED	O	0	0	0
59	NC	-	-	-	-	-
60	NC	-	-	-	-	-
61	NC	-	-	-	-	-
62	NC	-	-	-	-	-
63	OP/CL	Panel open/close signal	I	-	-	-
64	EJECT	Eject switch signal	I	5.1	5.1	5.1
65	EJ ILL	Eject LED drive control	O	5.1	5.1	5.1
66	TEL MUTE	Telephone mute signal	I	5.1	5.1	5.1
67	BATT	Battery detection	I	5.1	5.1	5.1
68	MODE B	Rotary encoder input B	I	5	5	5
69	RDS CLK	RDS clock	I	2.4	2.4	2.4
70	RM DATA	Remote control data	I	-	-	-
71	MODE A	Rotary encoder input A	I	5	5	5.1
72	NC	-	-	-	-	-
73	NC	-	-	-	-	-
74	MONO	FM MONO signal	O	0	0	0
75	AM MODE	Radio AM mode control	O	8.2	0	8.2
76	FM MODE	Radio FM mode control	O	0	8.2	0
77	LEVEL	Audio signal input for level meter	I	0	0	1.5
78	INIT C	Initial setting port	I	0	0	0
79	INIT B	Initial setting port	I	0	0	0
80	INIT A	Initial setting port	I	-	-	-
81	VSSADC	Ground	-	0	0	0
82	RDS DATA	RDS data	I	2.6	0	2.5
83	ST	FM stereo signal	I	5.1	5.2	5.2
84	SD FM/ AM	Radio signal strength	I	0	0	0
85	NC	Ground	I	0	0	0
86	RESET	Reset signal	I	5	5	5
87	ACC	ACC signal input	I	5.3	5.3	5.3
88	NC	Ground	I	0	0	0
89	NC	Ground	I	0	0	0

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
90	FM/AM IFC	FM/AM IF input	I	1.4	1.3	1.3
91	NC	-	-	-	-	-
92	NC	-	-	-	-	-
93	VDDPLL	Power supply of PLL	-	5.1	5.1	5.1
94	NC	-	-	-	-	-
95	OSC FM/AM	FM/AM osc input	I	1.4	1.3	1.3
96	VSSPLL	Ground	-	0	0	0
97	NC	-	-	-	-	-
98	EO1	PLL phase comparison error output	O	2.2	2.1	2.3
99	TEST1	Ground	I	0	0	0
100	XOUT	Crystal oscillator	O	2.6	2.6	2.6

9.2. Display Block

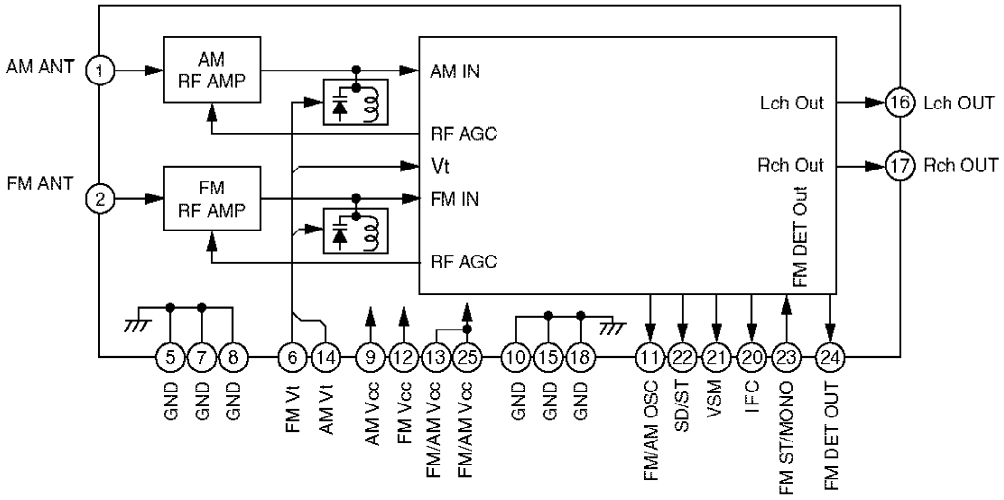
IC901 : C0HBA0000195

Pin No.	Port	Description	I/O	(V)
1	GREEN CNT	LED control (Green)	O	0
2	RED CNT	LED control (Red)	O	4.9
3 -39	SEG3 -39	LCD segment data	O	2.5
40 -43	COM1 -4	LCD common	O	2.5
44, 45	SEG40, 41	LCD segment data	O	2.5
46 -49	KS3-6	Key scan	O	5.0
50 -54	KI1-5	Key data	I	0
55	TEST	(Connecting to ground)	-	0
56	VDD	+5V power supply	-	5.0
57	VDD1	VDD1 filter terminal	-	3.3
58	VDD2	VDD2 filter terminal	-	1.7
59	VSS	Ground	-	0
60	OSC	Oscillator terminal	-	3.8
61	DO	Key data output	O	5.0
62	CE	LCD driver chip enable	I	0.3
63	CLK	LCD clock	I	5.1
64	DI	LCD data	I	4.9

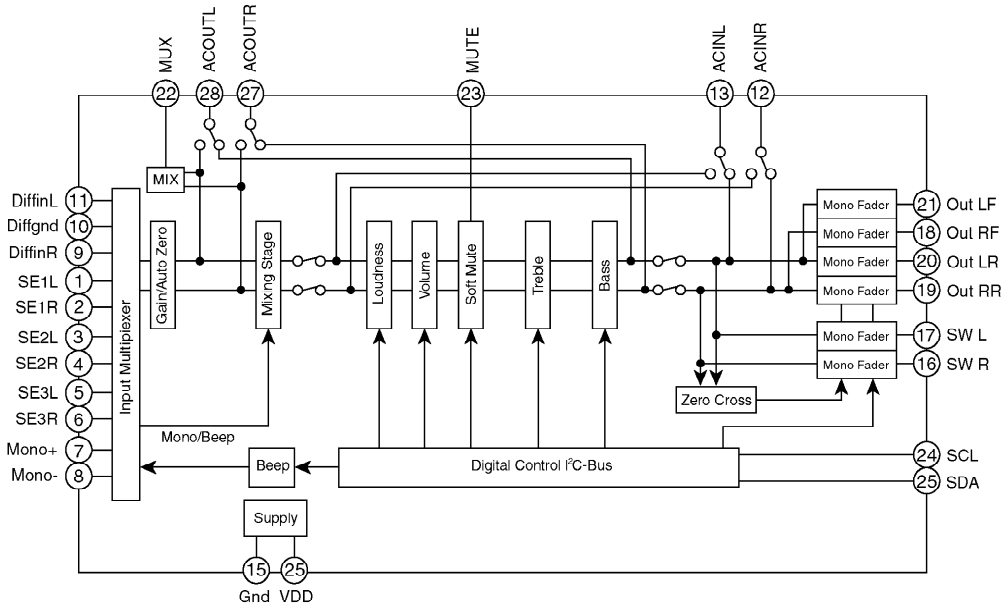
10. PACKAGE AND IC BLOCK DIAGRAM

10.1. Main Block

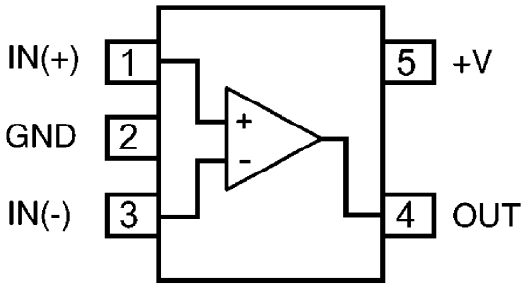
PA051 : YESAP403



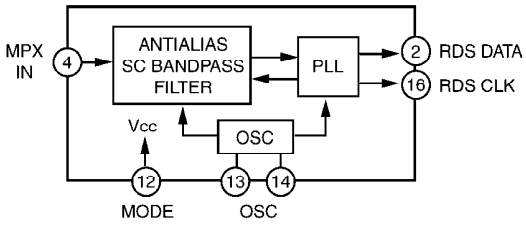
IC201 : YESAM293



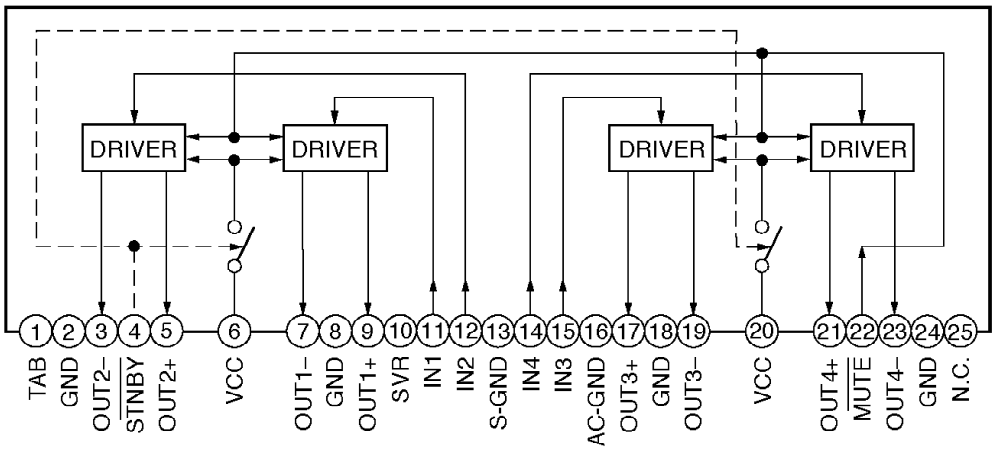
IC231 : YESAM320



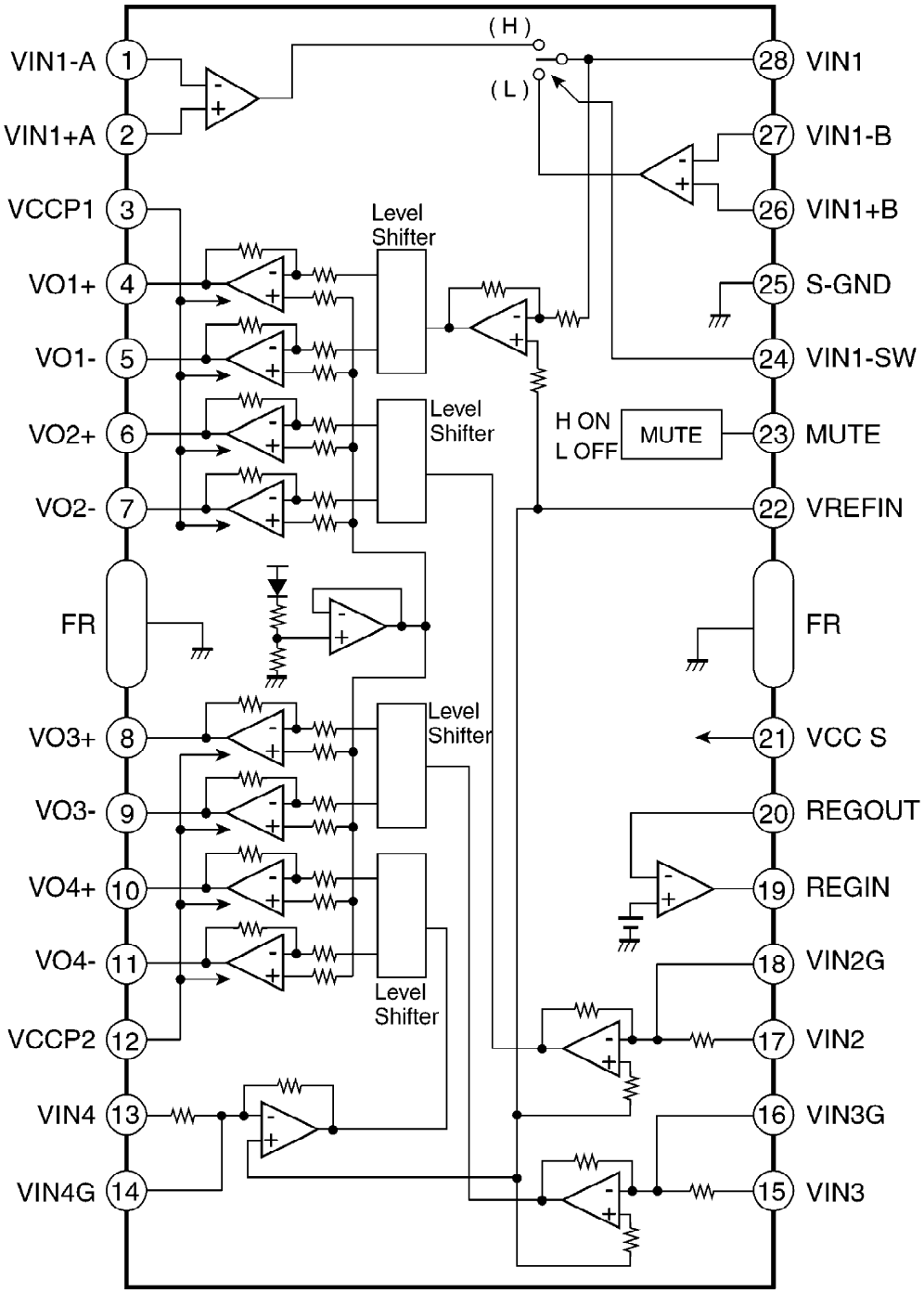
IC501 : YESAM283



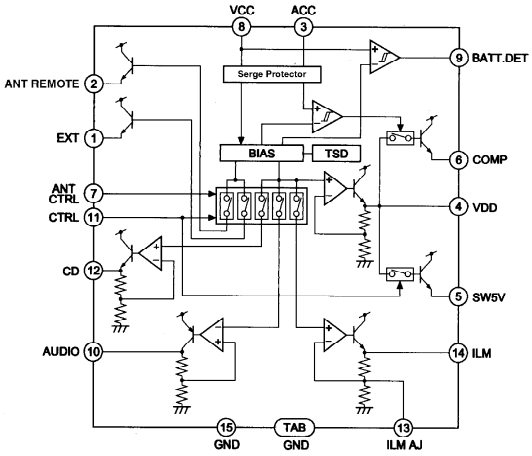
IC271 : C1EA00000041



IC802 : YESAM352

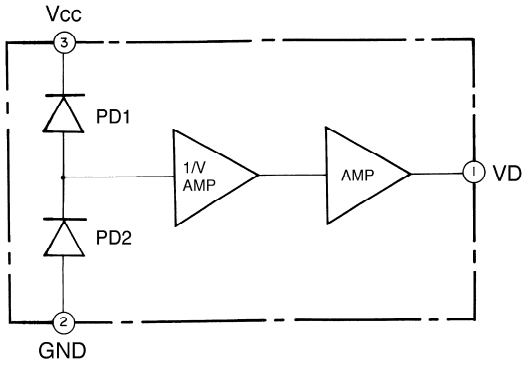


IC751 : YESAM349



10.2. Display Block

IC905 : YESAM264



11. REPLACEMENT PARTS LIST [CQ-C3503N]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and**

product retention. After the end of this period, the assembly will no longer be available.

- Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7222-02-11] MAIN BLOCK			
IC's and TRANSISTORs			
IC201	YESAM293	IC	
IC231	YESAM320	IC	
IC271	C1EA00000041	IC	
IC501	YESAM283	IC	
IC601	YESAM356	IC	
IC751	YESAM349	IC	
IC801	YESAM351	IC	
IC802	YESAM352	IC	
PA051	YESAP403	Tuner Pack	
Q052	YESAN117	Transistor	
Q054	YESAN122	Transistor	
Q055	YESAN117	Transistor	
Q066	YESAN132	Transistor	
Q261	YESAN121	Transistor	
Q262	YESAN121	Transistor	
Q265	YESAN125	Transistor	
Q361	YESAN121	Transistor	
Q362	YESAN121	Transistor	
Q365	YESAN125	Transistor	
Q401	B1CBGF000005	FET	
Q660	YESAN128	Transistor	
Q661	YESAN127	Transistor	
Q671	YESAN120	Transistor	
Q672	YESAN118	Transistor	
Q701	YESAN126	Transistor	
Q702	YESAN129	Transistor	
Q704	YESAN123	Transistor	
Q752	YESAN115	FET	
Q770	YESAN087	Transistor	
Q851	B1BCCF000017	Transistor	
Q871	YESAN113	Transistor	
DIODEs			
D053	YESAD119	Zener Diode	
D231	YESAD143	Diode	
D232	YESAD144	Diode	
D233	YESAD119	Zener Diode	
D270	YESAD146	Diode	
D271	YESAD146	Diode	
D272	YESAD146	Diode	
D273	YESAD146	Diode	
D274	YESAD146	Diode	
D275	YESAD146	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D276	YESAD146	Diode	
D277	YESAD146	Diode	
D677	YESAD147	Zener Diode	
D681	YESAD149	Diode	
D691	YESAD155	Diode	
D701	YESAD139	Diode	
D702	YESAD153	Zener Diode	
D704	YESAD143	Diode	
D705	YESAD146	Diode	
D751	YESAD141	Diode	
D770	YESAD123	Zener Diode	
D791	B0ACCK000005	Diode	
D792	B0ACCK000005	Diode	
CAPACITORs			
C61	YESCC527	Ceramic, 0.022 μ F 25WV	
C62	YESCC527	Ceramic, 0.022 μ F 25WV	
C051	YECUS1H470JC	Ceramic, 47pF 50WV	
C053	YESCC482	Ceramic, 0.01 μ F 50WV	
C055	YESCC482	Ceramic, 0.01 μ F 50WV	
C058	YESCC482	Ceramic, 0.01 μ F 50WV	
C065	YESCC481	Ceramic, 0.001 μ F 50WV	
C066	YESCC226	Ceramic, 470pF 50WV	
C067	YESCC482	Ceramic, 0.01 μ F 50WV	
C071	YESCC559	Ceramic, 0.012 μ F 50WV	
C201	YESCC529	Ceramic, 0.22 μ F 16WV	
C202	YESCC550	Electrolytic, 3.3 μ F 50WV	
C204	YESCC452	Ceramic, 1 μ F 16WV	
C206	YESCC549	Electrolytic, 2.2 μ F 50WV	
C207	YESCC452	Ceramic, 1 μ F 16WV	
C208	YESCC483	Ceramic, 0.1 μ F 50WV	
C231	YESCC483	Ceramic, 0.1 μ F 50WV	
C232	YESCC483	Ceramic, 0.1 μ F 50WV	
C233	YESCC481	Ceramic, 0.001 μ F 50WV	
C234	YESCC563	Ceramic, 2.2 μ F	
C235	YESCC545	Electrolytic, 22 μ F 10WV	
C236	YESCC563	Ceramic, 2.2 μ F	
C251	YESCC226	Ceramic, 470pF 50WV	
C261	YESCC372	Electrolytic, 4.7 μ F 25WV	
C262	YESCC372	Electrolytic, 4.7 μ F 25WV	
C263	YESCC487	Ceramic, 0.47 μ F 16WV	
C267	YESCC487	Ceramic, 0.47 μ F 16WV	
C268	YESCC487	Ceramic, 0.47 μ F 16WV	
C269	YESCC487	Ceramic, 0.47 μ F 16WV	
C271	YESCC486	Ceramic, 0.0047 μ F 50WV	
C272	YESCC486	Ceramic, 0.0047 μ F 50WV	
C276	YESCC548	Electrolytic, 47 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C277	YESCC452	Ceramic, 1 μ F 16WV	
C278	YESCC483	Ceramic, 0.1 μ F 50WV	
C279	YESCC368	Electrolytic, 2200 μ F 16WV	
C280	YESCC563	Ceramic, 2.2 μ F	
C281	YESCC563	Ceramic, 2.2 μ F	
C292	YESCC482	Ceramic, 0.01 μ F 50WV	
C301	YESCC529	Ceramic, 0.22 μ F 16WV	
C302	YESCC550	Electrolytic, 3.3 μ F 50WV	
C304	YESCC452	Ceramic, 1 μ F 16WV	
C306	YESCC549	Electrolytic, 2.2 μ F 50WV	
C307	YESCC546	Electrolytic, 10 μ F 16WV	
C308	YESCC539	Electrolytic, 120 μ F 10WV	
C351	YESCC226	Ceramic, 470pF 50WV	
C361	YESCC372	Electrolytic, 4.7 μ F 25WV	
C362	YESCC372	Electrolytic, 4.7 μ F 25WV	
C363	YESCC487	Ceramic, 0.47 μ F 16WV	
C367	YESCC487	Ceramic, 0.47 μ F 16WV	
C368	YESCC487	Ceramic, 0.47 μ F 16WV	
C369	YESCC487	Ceramic, 0.47 μ F 16WV	
C371	YESCC486	Ceramic, 0.0047 μ F 50WV	
C372	YESCC486	Ceramic, 0.0047 μ F 50WV	
C375	YESCC404	Electrolytic, 10 μ F 16WV	
C378	YESCC483	Ceramic, 0.1 μ F 50WV	
C401	YESCC543	Electrolytic, 680 μ F 10WV	
C402	ECQV1H683JL2	Plastic, 0.068 μ F 50WV	
C403	YESCC562	Ceramic, 0.0068 μ F 50WV	
C404	YESCC482	Ceramic, 0.01 μ F 50WV	
C421	F1J1H101A667	Ceramic, 100pF 50WV	
C430	YESCC313	Electrolytic, 220 μ F 10WV	
C501	YESCC223	Ceramic, 27pF 50WV	
C502	YESCC219	Ceramic, 10pF 50WV	
C505	YESCC483	Ceramic, 0.1 μ F 50WV	
C506	YESCC482	Ceramic, 0.01 μ F 50WV	
C507	YESCC224	Ceramic, 270pF 50WV	
C508	YESCC546	Electrolytic, 10 μ F 16WV	
C509	YESCC545	Electrolytic, 22 μ F 10WV	
C601	YECUS1H220JC	Ceramic, 22pF 50WV	
C602	YECUS1H220JC	Ceramic, 22pF 50WV	
C603	YESCC452	Ceramic, 1 μ F 16WV	
C604	YESCC482	Ceramic, 0.01 μ F 50WV	
C605	YESCC482	Ceramic, 0.01 μ F 50WV	
C606	YESCC397	Electrolytic, 1000 μ F 6.3WV	
C608	F1J1H101A667	Ceramic, 100pF 50WV	
C609	YESCC452	Ceramic, 1 μ F 16WV	
C610	YESCC482	Ceramic, 0.01 μ F 50WV	
C611	YESCC482	Ceramic, 0.01 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C612	YESCC482	Ceramic, 0.01 μ F 50WV	
C642	YESCC487	Ceramic, 0.47 μ F 16WV	
C660	YESCC549	Electrolytic, 2.2 μ F 50WV	
C701	YESCC483	Ceramic, 0.1 μ F 50WV	
C702	YESCC483	Ceramic, 0.1 μ F 50WV	
C751	YESCC396	Electrolytic, 470 μ F 16WV	
C752	YESCC483	Ceramic, 0.1 μ F 50WV	
C753	YESCC539	Electrolytic, 120 μ F 10WV	
C754	YESCC539	Electrolytic, 120 μ F 10WV	
C755	YESCC482	Ceramic, 0.01 μ F 50WV	
C756	YESCC482	Ceramic, 0.01 μ F 50WV	
C757	YESCC482	Ceramic, 0.01 μ F 50WV	
C758	YESCC483	Ceramic, 0.1 μ F 50WV	
C759	YESCC482	Ceramic, 0.01 μ F 50WV	
C760	YESCC482	Ceramic, 0.01 μ F 50WV	
C770	YESCC547	Electrolytic, 100 μ F 16WV	
C801	YESCC486	Ceramic, 0.0047 μ F 50WV	
C802	YESCC482	Ceramic, 0.01 μ F 50WV	
C803	YESCC560	Ceramic, 0.047 μ F 50WV	
C804	YESCC561	Ceramic, 0.056 μ F 50WV	
C805	YESCC482	Ceramic, 0.01 μ F 50WV	
C806	YESCC481	Ceramic, 0.001 μ F 50WV	
C807	YESCC561	Ceramic, 0.056 μ F 50WV	
C808	YESCC482	Ceramic, 0.01 μ F 50WV	
C809	YESCC483	Ceramic, 0.1 μ F 50WV	
C810	YESCC424	Electrolytic, 100 μ F 6.3WV	
C811	YESCC452	Ceramic, 1 μ F 16WV	
C812	YESCC560	Ceramic, 0.047 μ F 50WV	
C813	YESCC483	Ceramic, 0.1 μ F 50WV	
C814	YESCC483	Ceramic, 0.1 μ F 50WV	
C815	YESCC483	Ceramic, 0.1 μ F 50WV	
C816	YESCC544	Electrolytic, 100 μ F 6.3WV	
C817	YESCC483	Ceramic, 0.1 μ F 50WV	
C818	YESCC544	Electrolytic, 100 μ F 6.3WV	
C819	YESCC483	Ceramic, 0.1 μ F 50WV	
C820	YESCC271	Ceramic, 68pF 50WV	
C821	YESCC271	Ceramic, 68pF 50WV	
C822	YESCC483	Ceramic, 0.1 μ F 50WV	
C823	YESCC483	Ceramic, 0.1 μ F 50WV	
C824	YESCC483	Ceramic, 0.1 μ F 50WV	
C825	YESCC414	Electrolytic, 1 μ F 50WV	
C826	YESCC483	Ceramic, 0.1 μ F 50WV	
C827	YESCC424	Electrolytic, 100 μ F 6.3WV	
C828	YESCC483	Ceramic, 0.1 μ F 50WV	
C829	YESCC483	Ceramic, 0.1 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C832	YESCC483	Ceramic, 0.1 μ F 50WV	
C833	YESCC315	Electrolytic, 330 μ F 6.3WV	
C834	YESCC483	Ceramic, 0.1 μ F 50WV	
C835	YESCC560	Ceramic, 0.047 μ F 50WV	
C851	YESCC482	Ceramic, 0.01 μ F 50WV	
C852	YESCC547	Electrolytic, 100 μ F 16WV	
C853	YESCC482	Ceramic, 0.01 μ F 50WV	
C854	YESCC538	Electrolytic, 150 μ F 6.3WV	
C855	YESCC547	Electrolytic, 100 μ F 16WV	
C856	YESCC483	Ceramic, 0.1 μ F 50WV	
C871	YESCC483	Ceramic, 0.1 μ F 50WV	
C872	YESCC483	Ceramic, 0.1 μ F 50WV	
C873	YESCC482	Ceramic, 0.01 μ F 50WV	
C874	YESCC558	Electrolytic, 5.6 μ F 50WV	
C875	YESCC483	Ceramic, 0.1 μ F 50WV	
C876	YESCC538	Electrolytic, 150 μ F 6.3WV	
C877	YESCC377	Electrolytic, 47 μ F 6.3WV	
C878	YESCC483	Ceramic, 0.1 μ F 50WV	
C879	YESCC483	Ceramic, 0.1 μ F 50WV	
C880	YESCC544	Electrolytic, 100 μ F 6.3WV	
C881	YESCC544	Electrolytic, 100 μ F 6.3WV	
C891	YESCC481	Ceramic, 0.001 μ F 50WV	
RESISTORs			
J101	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J102	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J103	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J104	YESRG196	Chip, 0 Ω 1/8W	
J105	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J106	YESRG132	Chip, 0 Ω 1/4W	
J107	YESRG241	Chip, 0 Ω 1/8W	
J108	YESRG132	Chip, 0 Ω 1/4W	
J109	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J110	YESRG132	Chip, 0 Ω 1/4W	
J111	YESRG196	Chip, 0 Ω 1/8W	
J113	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J114	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J115	YESRG132	Chip, 0 Ω 1/4W	
J116	YESRG132	Chip, 0 Ω 1/4W	
J117	YESRG132	Chip, 0 Ω 1/4W	
J118	YESRG132	Chip, 0 Ω 1/4W	
J119	YESRG132	Chip, 0 Ω 1/4W	
J120	YESRG132	Chip, 0 Ω 1/4W	
J122	YESRG132	Chip, 0 Ω 1/4W	
J123	YESRG241	Chip, 0 Ω 1/8W	
J124	YESRG132	Chip, 0 Ω 1/4W	
J129	YESRG241	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J130	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J131	YESRG241	Chip, 0 Ω 1/8W	
J132	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J133	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J134	YESRG132	Chip, 0 Ω 1/4W	
J135	YESRG132	Chip, 0 Ω 1/4W	
J136	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J145	YESRG196	Chip, 0 Ω 1/8W	
J151	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J152	YESRG241	Chip, 0 Ω 1/8W	
J153	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J155	YESRG132	Chip, 0 Ω 1/4W	
J157	YESRG132	Chip, 0 Ω 1/4W	
J158	YESRG132	Chip, 0 Ω 1/4W	
J159	YESRG196	Chip, 0 Ω 1/8W	
J160	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J161	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J163	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J164	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J165	YESRG132	Chip, 0 Ω 1/4W	
J166	YESRG132	Chip, 0 Ω 1/4W	
J167	YESRG132	Chip, 0 Ω 1/4W	
J168	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J169	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J171	YESRG241	Chip, 0 Ω 1/8W	
J172	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J173	YESRG132	Chip, 0 Ω 1/4W	
J174	YESRG241	Chip, 0 Ω 1/8W	
J175	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J176	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J177	YESRG132	Chip, 0 Ω 1/4W	
J178	YESRG132	Chip, 0 Ω 1/4W	
J179	YESRG132	Chip, 0 Ω 1/4W	
J180	YESRG132	Chip, 0 Ω 1/4W	
J181	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J182	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J183	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J184	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J185	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J186	YESRG132	Chip, 0 Ω 1/4W	
J187	YESRG132	Chip, 0 Ω 1/4W	
J188	YESRG241	Chip, 0 Ω 1/8W	
J189	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J190	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J191	YESRG132	Chip, 0 Ω 1/4W	
J194	YESRG196	Chip, 0 Ω 1/8W	
L290	YESRG241	Chip, 0 Ω 1/8W	
L291	YESRG241	Chip, 0 Ω 1/8W	
R050	YESRG399	Chip, 5.6k Ω 1/8W	
R052	YESRG189	Chip, 100 Ω 1/4W	
R053	YESRG132	Chip, 0 Ω 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R058	YESRG241	Chip, 0 Ω 1/8W	
R060	YESRG385	Chip, 33k Ω 1/8W	
R065	YESRG387	Chip, 39k Ω 1/8W	
R066	YESRG442	Chip, 330k Ω 1/8W	
R067	YESRG320	Chip, 2.2k Ω 1/8W	
R068	YESRG319	Chip, 1k Ω 1/8W	
R070	YESRG420	Carbon, 220 Ω 1/4W	
R201	YESRG415	Chip, 18k Ω 1/8W	
R202	YESRG382	Chip, 27k Ω 1/8W	
R203	YESRG390	Chip, 4.7k Ω 1/8W	
R204	YESRG390	Chip, 4.7k Ω 1/8W	
R208	YESRG319	Chip, 1k Ω 1/8W	
R232	YESRG361	Chip, 100k Ω 1/8W	
R233	YESRG391	Chip, 47k Ω 1/8W	
R234	YESRG360	Chip, 10k Ω 1/8W	
R235	YESRG391	Chip, 47k Ω 1/8W	
R236	YESRG385	Chip, 33k Ω 1/8W	
R237	YESRG360	Chip, 10k Ω 1/8W	
R238	YESRG319	Chip, 1k Ω 1/8W	
R239	YESRG382	Chip, 27k Ω 1/8W	
R251	YESRG382	Chip, 27k Ω 1/8W	
R252	YESRG374	Chip, 20k Ω 1/8W	
R261	YESRG371	Chip, 180 Ω 1/8W	
R262	YESRG371	Chip, 180 Ω 1/8W	
R263	YESRG396	Chip, 560 Ω 1/8W	
R265	YESRG360	Chip, 10k Ω 1/8W	
R266	YESRG360	Chip, 10k Ω 1/8W	
R267	YESRG396	Chip, 560 Ω 1/8W	
R275	YESRG376	Chip, 22k Ω 1/8W	
R280	YESRG040	Chip, 130 Ω 1/4W	
R290	YESRG241	Chip, 0 Ω 1/8W	
R291	YESRG241	Chip, 0 Ω 1/8W	
R299	YESRG431	Chip, 22 Ω 1/8W	
R301	YESRG415	Chip, 18k Ω 1/8W	
R302	YESRG382	Chip, 27k Ω 1/8W	
R303	YESRG390	Chip, 4.7k Ω 1/8W	
R304	YESRG390	Chip, 4.7k Ω 1/8W	
R308	YESRG134	Chip, 1k Ω 1/4W	
R351	YESRG382	Chip, 27k Ω 1/8W	
R352	YESRG374	Chip, 20k Ω 1/8W	
R361	YESRG418	Carbon, 180 Ω 1/4W	
R362	YESRG418	Carbon, 180 Ω 1/4W	
R363	YESRG396	Chip, 560 Ω 1/8W	
R365	YESRG360	Chip, 10k Ω 1/8W	
R366	YESRG360	Chip, 10k Ω 1/8W	
R367	YESRG396	Chip, 560 Ω 1/8W	
R375	YESRG417	Carbon, 12k Ω 1/4W	
R390	YESRG241	Chip, 0 Ω 1/8W	
R391	YESRG241	Chip, 0 Ω 1/8W	
R401	YESRG334	Chip, 10 Ω 1/8W	
R402	YESRG384	Chip, 330 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R403	YESRG394	Chip, 5.1k Ω 1/8W	
R501	YESRG441	Chip, 2.2M Ω 1/8W	
R506	YESRG135	Chip, 10k Ω 1/4W	
R507	YESRG360	Chip, 10k Ω 1/8W	
R601	YESRG416	Carbon, 1k Ω 1/4W	
R602	YESRG416	Carbon, 1k Ω 1/4W	
R603	YESRG416	Carbon, 1k Ω 1/4W	
R604	YESRG416	Carbon, 1k Ω 1/4W	
R605	YESRG134	Chip, 1k Ω 1/4W	
R606	YESRG134	Chip, 1k Ω 1/4W	
R607	YESRG320	Chip, 2.2k Ω 1/8W	
R608	YESRG134	Chip, 1k Ω 1/4W	
R609	YESRG416	Carbon, 1k Ω 1/4W	
R610	YESRG416	Carbon, 1k Ω 1/4W	
R611	YESRG416	Carbon, 1k Ω 1/4W	
R612	YESRG134	Chip, 1k Ω 1/4W	
R613	YESRG134	Chip, 1k Ω 1/4W	
R614	YESRG319	Chip, 1k Ω 1/8W	
R615	YESRG416	Carbon, 1k Ω 1/4W	
R617	YESRG416	Carbon, 1k Ω 1/4W	
R618	YESRG381	Chip, 2.7k Ω 1/8W	
R619	YESRG391	Chip, 47k Ω 1/8W	
R620	YESRG391	Chip, 47k Ω 1/8W	
R621	YESRG391	Chip, 47k Ω 1/8W	
R622	YESRG391	Chip, 47k Ω 1/8W	
R623	YESRG148	Chip, 47k Ω 1/4W	
R625	YESRG148	Chip, 47k Ω 1/4W	
R626	YESRG319	Chip, 1k Ω 1/8W	
R627	YESRG319	Chip, 1k Ω 1/8W	
R628	YESRG360	Chip, 10k Ω 1/8W	
R629	YESRG360	Chip, 10k Ω 1/8W	
R630	YESRG391	Chip, 47k Ω 1/8W	
R631	YESRG141	Chip, 2.2k Ω 1/4W	
R632	YESRG391	Chip, 47k Ω 1/8W	
R633	YESRG134	Chip, 1k Ω 1/4W	
R636	YESRG391	Chip, 47k Ω 1/8W	
R638	YESRG391	Chip, 47k Ω 1/8W	
R641	YESRG135	Chip, 10k Ω 1/4W	
R642	YESRG181	Chip, 270k Ω 1/8W	
R643	YESRG416	Carbon, 1k Ω 1/4W	
R644	YESRG132	Chip, 0 Ω 1/4W	
R646	YESRG375	Chip, 220 Ω 1/8W	
R647	YESRG393	Chip, 510 Ω 1/8W	
R651	YESRG196	Chip, 0 Ω 1/8W	
R652	YESRG196	Chip, 0 Ω 1/8W	
R660	YESRG145	Chip, 390 Ω 1/4W	
R661	YESRG381	Chip, 2.7k Ω 1/8W	
R671	YESRG373	Chip, 180k Ω 1/8W	
R673	YESRG391	Chip, 47k Ω 1/8W	
R674	YESRG134	Chip, 1k Ω 1/4W	
R675	YESRG319	Chip, 1k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R676	YESRG319	Chip, 1k Ω 1/8W	
R677	YESRG319	Chip, 1k Ω 1/8W	
R678	YESRG134	Chip, 1k Ω 1/4W	
R679	YESRG361	Chip, 100k Ω 1/8W	
R680	YESRG319	Chip, 1k Ω 1/8W	
R681	YESRG319	Chip, 1k Ω 1/8W	
R682	YESRG319	Chip, 1k Ω 1/8W	
R683	YESRG361	Chip, 100k Ω 1/8W	
R684	YESRG319	Chip, 1k Ω 1/8W	
R685	YESRG361	Chip, 100k Ω 1/8W	
R686	YESRG399	Chip, 5.6k Ω 1/8W	
R687	YESRG391	Chip, 47k Ω 1/8W	
R689	YESRG419	Carbon, 180k Ω 1/4W	
R690	YESRG134	Chip, 1k Ω 1/4W	
R702	YESRG136	Chip, 100k Ω 1/4W	
R703	YESRG313	Chip, 33k Ω 1/4W	
R704	YESRG361	Chip, 100k Ω 1/8W	
R705	YESRG391	Chip, 47k Ω 1/8W	
R709	YESRG319	Chip, 1k Ω 1/8W	
R710	YESRG389	Chip, 470 Ω 1/8W	
R712	YESRG191	Chip, 22k Ω 1/4W	
R713	YESRG388	Chip, 4.3k Ω 1/8W	
R714	YESRG404	Chip, 8.2k Ω 1/8W	
R751	YESRG337	Chip, 3.3k Ω 1/8W	
R752	YESRG368	Chip, 15k Ω 1/8W	
R753	YESRG319	Chip, 1k Ω 1/8W	
R754	YESRG391	Chip, 47k Ω 1/8W	
R755	YESRG319	Chip, 1k Ω 1/8W	
R770	YESRG319	Chip, 1k Ω 1/8W	
R771	YESRG196	Chip, 0 Ω 1/8W	
R772	YESRG196	Chip, 0 Ω 1/8W	
R791	YESRG241	Chip, 0 Ω 1/8W	
R801	YESRG384	Chip, 330 Ω 1/8W	
R802	YESRG241	Chip, 0 Ω 1/8W	
R803	YESRG241	Chip, 0 Ω 1/8W	
R804	YESRG390	Chip, 4.7k Ω 1/8W	
R805	YESRG390	Chip, 4.7k Ω 1/8W	
R806	YESRG400	Chip, 680 Ω 1/8W	
R807	YESRG433	Chip, 3.3M Ω 1/8W	
R808	YESRG400	Chip, 680 Ω 1/8W	
R809	YESRG436	Chip, 68k Ω 1/8W	
R810	YESRG319	Chip, 1k Ω 1/8W	
R811	YESRG319	Chip, 1k Ω 1/8W	
R812	YESRG382	Chip, 27k Ω 1/8W	
R813	YESRG397	Chip, 5.6k Ω 1/8W	
R814	YESRG382	Chip, 27k Ω 1/8W	
R815	YESRG319	Chip, 1k Ω 1/8W	
R816	YESRG382	Chip, 27k Ω 1/8W	
R817	YESRG319	Chip, 1k Ω 1/8W	
R818	YESRG319	Chip, 1k Ω 1/8W	
R819	YESRG349	Chip, 22 Ω 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R820	YESRG337	Chip, 3.3k Ω 1/8W	
R821	YESRG427	Chip, 150 Ω 1/8W	
R822	YESRG376	Chip, 22k Ω 1/8W	
R823	YESRG196	Chip, 0 Ω 1/8W	
R824	YESRG426	Chip, 120 Ω 1/8W	
R825	YESRG334	Chip, 10 Ω 1/8W	
R826	YESRG391	Chip, 47k Ω 1/8W	
R851	YESRG421	Carbon, 22k Ω 1/4W	
R852	YESRG376	Chip, 22k Ω 1/8W	
R853	YESRG376	Chip, 22k Ω 1/8W	
R854	YESRG423	Chip, 15k Ω 1/10W	
R855	YESRG360	Chip, 10k Ω 1/8W	
R856	YESRG428	Chip, 16k Ω 1/8W	
R857	YESRG385	Chip, 33k Ω 1/8W	
R858	YESRG385	Chip, 33k Ω 1/8W	
R859	YESRG435	Chip, 6.2k Ω 1/8W	
R860	YESRG401	Chip, 6.8k Ω 1/8W	
R861	YESRG435	Chip, 6.2k Ω 1/8W	
R862	YESRG360	Chip, 10k Ω 1/8W	
R871	YESRG389	Chip, 470 Ω 1/8W	
R872	YESRG319	Chip, 1k Ω 1/8W	
R873	YESRG319	Chip, 1k Ω 1/8W	
R874	YESRG425	Chip, 8.3 Ω 1/10W	
R875	YESRG424	Chip, 83 Ω 1/10W	
R892	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
R895	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
CONNECTORs			
CN250	YESAE373	Jack, RCA * 4	
CN601	YESAE404	Connector, 17P	
CN701	YESAE351	Connector 16P	
CN801	YESAE340	Connector 22P	
COILs			
L050	YESLQ028	Inductor	
L051	YESLQ035	Inductor	
L401	YESLQ017	Inductor	
L501	YESLQ046	Inductor	
L502	YESLQ046	Inductor	
L601	YESLQ042	Inductor	
L602	YESLQ044	Inductor	
L603	YESLQ044	Inductor	
L671	YESLQ027	Inductor	
L701	YESLT030	Inductor	
L710	YESLQ012	Inductor	
L751	YESLQ047	Inductor	
L801	YESLQ048	Inductor	
L802	YESLQ048	Inductor	

Ref. No.	Part No.	Part Name & Description	Remarks
CRYSTALs			
XL501	YESXL039	Crystal	
XL601	YESXL037	Crystal	
XL801	YESXL038	Crystal	
SERGE PROTECTOR / VARISTOR			
Z050	YESRTD014	Serge Protector	
Z701	YESRTD012	Varistor	
SWITCH			
SW671	YEAS08042	Switch	
[7222-06-11] SUB BLOCK			
IC			
IC101	YESAM357	IC	
CAPACITORs			
C101	YESCC523	Ceramic, 0.1 μ F 16WV	
C102	YESCC492	Electrolytic, 100 μ F 6.3WV	
C103	YESCC531	Ceramic, 10 μ F	
C104	YESCC531	Ceramic, 10 μ F	
C105	YESCC563	Ceramic, 2.2 μ F	
C106	YESCC523	Ceramic, 0.1 μ F 16WV	
C107	YESCC442	Ceramic, 0.01 μ F 50WV	
C108	YESCC523	Ceramic, 0.1 μ F 16WV	
C109	YESCC523	Ceramic, 0.1 μ F 16WV	
C110	YESCC523	Ceramic, 0.1 μ F 16WV	
C111	YESCC523	Ceramic, 0.1 μ F 16WV	
C112	YESCC523	Ceramic, 0.1 μ F 16WV	
C113	YESCC523	Ceramic, 0.1 μ F 16WV	
C114	YESCC452	Ceramic, 1 μ F 16WV	
C115	YESCC531	Ceramic, 10 μ F	
C121	YESCC452	Ceramic, 1 μ F 16WV	
C131	YESCC452	Ceramic, 1 μ F 16WV	
RESISTORs			
J1	YESRG132	Chip, 0 Ω 1/4W	
J2	YESRG132	Chip, 0 Ω 1/4W	
J3	YESRG132	Chip, 0 Ω 1/4W	
J4	YESRG132	Chip, 0 Ω 1/4W	
J5	YESRG132	Chip, 0 Ω 1/4W	
R101	YESRG391	Chip, 47k Ω 1/8W	
R102	YESRG158	Chip, 100 Ω 1/10W	
R103	YESRG158	Chip, 100 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R104	YESRG158	Chip, 100 Ω 1/10W	
R105	YESRG158	Chip, 100 Ω 1/10W	
R106	YESRG167	Chip, 39k Ω 1/10W	
R107	YESRG261	Chip, 56k Ω 1/10W	
R108	YESRG437	Chip, 160k Ω 1/10W	
R109	YESRG366	Chip, 13k Ω 1/8W	
R110	YESRG344	Chip, 110k Ω 1/10W	
R111	YESRG264	Chip, 8.2k Ω 1/10W	
R112	YESRG422	Chip, 820 Ω 1/10W	
R113	YESRG160	Chip, 10k Ω 1/10W	
R114	YESRG160	Chip, 10k Ω 1/10W	
R121	YESRG157	Chip, 0 Ω 1/10W	
R122	YESRG264	Chip, 8.2k Ω 1/10W	
R123	YESRG171	Chip, 5.1k Ω 1/10W	
R131	YESRG157	Chip, 0 Ω 1/10W	
R132	YESRG264	Chip, 8.2k Ω 1/10W	
R133	YESRG171	Chip, 5.1k Ω 1/10W	
CONNECTORs			
CN101	YESAE423	Connector, 4P	
CN102	YESAE423	Connector, 4P	
CN103	YESAE421	Connector, 2P	
COIL			
L101	YESLQ029	Coil	
[7222-05-11] DISPLAY BLOCK			
IC's and TRANSISTORs			
IC901	C0HBA0000195	IC	
IC905	YESAM264	IC	
Q903	YESAN130	Transistor	
Q904	YESAN118	Transistor	
Q905	YESAN122	Transistor	
Q906	YESAN129	Transistor	
Q911	YESAN131	Transistor	
Q912	YESAN131	Transistor	
DIODEs			
D901	YESAD165	LED	
D902	YESAD170	LED	
D905	YESAD165	LED	
D906	YESAD165	LED	
D907	YESAD165	LED	
D908	YESAD165	LED	
D909	YESAD165	LED	
D910	YESAD165	LED	
D911	YESAD165	LED	
D912	YESAD165	LED	

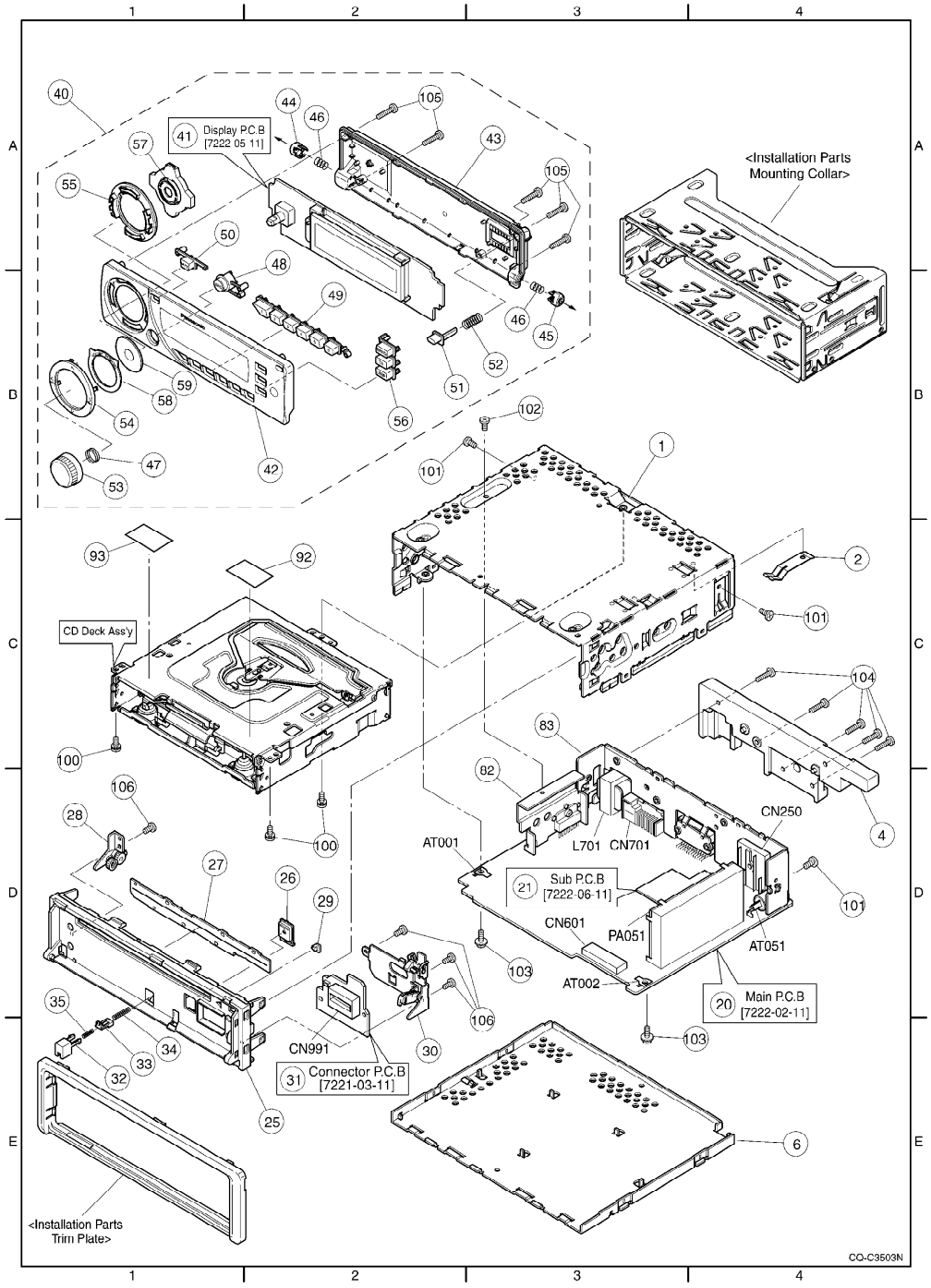
Ref. No.	Part No.	Part Name & Description	Remarks
D913	YESAD165	LED	
D914	YESAD165	LED	
D915	YESAD165	LED	
D916	YESAD165	LED	
D917	YESAD165	LED	
D918	YESAD165	LED	
D931	YESAD150	Zener Diode	
D933	YESAD147	Zener Diode	
D941	YESAD143	Diode	
D942	YESAD143	Diode	
D954	YESAD170	LED	
D956	YESAD170	LED	
D957	YESAD170	LED	
D958	YESAD170	LED	
D959	YESAD170	LED	
D960	YESAD170	LED	
D961	YESAD170	LED	
D962	YESAD170	LED	
D963	YESAD170	LED	
D964	YESAD170	LED	
D965	YESAD170	LED	
D966	YESAD170	LED	
D967	YESAD170	LED	
D969	YESAD170	LED	
D990	YESAD168	LED	
D991	YESAD168	LED	
CAPACITORs			
C905	YESCC568	Ceramic, 1 μ F	
C906	YESCC441	Ceramic, 1000pF 50WV	
C914	YESCC523	Ceramic, 0.1 μ F 16WV	
C915	YESCC523	Ceramic, 0.1 μ F 16WV	
C916	YESCC523	Ceramic, 0.1 μ F 16WV	
C923	YESCC542	Ceramic, 680pF	
C960	YESCC531	Ceramic, 10 μ F	
C970	YESCC531	Ceramic, 10 μ F	
RESISTORs			
R903	YESRG210	Chip, 470 Ω 1/10W	
R904	YESRG159	Chip, 1k Ω 1/4W	
R905	YESRG159	Chip, 1k Ω 1/4W	
R906	YESRG159	Chip, 1k Ω 1/4W	
R908	YESRG359	Chip, 100 Ω 1/8W	
R909	YESRG159	Chip, 1k Ω 1/4W	
R910	YESRG209	Chip, 2.2k Ω 1/10W	
R911	YESRG429	Chip, 1 Ω 1/8W	
R920	YESRG138	Chip, 180 Ω 1/4W	
R921	YESRG138	Chip, 180 Ω 1/4W	
R931	YESRG170	Chip, 47k Ω 1/10W	
R939	YESRG211	Chip, 4.7 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R942	YESRG170	Chip, 47k Ω 1/10W	
R950	YESRG199	Chip, 430 Ω 1/8W	
R951	YESRG199	Chip, 430 Ω 1/8W	
R952	YESRG375	Chip, 220 Ω 1/8W	
R953	YESRG375	Chip, 220 Ω 1/8W	
R954	YESRG434	Chip, 390 Ω 1/8W	
R955	YESRG434	Chip, 390 Ω 1/8W	
R962	YESRG319	Chip, 1k Ω 1/8W	
R963	YESRG319	Chip, 1k Ω 1/8W	
R964	YESRG319	Chip, 1k Ω 1/8W	
R965	YESRG400	Chip, 680 Ω 1/8W	
R970	YESRG434	Chip, 390 Ω 1/8W	
R971	YESRG434	Chip, 390 Ω 1/8W	
R972	YESRG430	Chip, 200 Ω 1/8W	
R973	YESRG430	Chip, 200 Ω 1/8W	
R974	YESRG434	Chip, 390 Ω 1/8W	
R975	YESRG434	Chip, 390 Ω 1/8W	
R981	YESRG170	Chip, 47k Ω 1/10W	
CONNECTORs			
CN901	YESAE376	Connector 14P	
CN902	YESAE416	Jack (AUX IN)	
CN911	YESAE414	Connector, 4P	
SWITCHes			
SW901	YESAS123	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
LCD			
LD901	YESXDCM031	LCD	
[7221-03-11] CONNECTOR BLOCK			
DIODEs			
D990	YESAD165	LED	

Ref. No.	Part No.	Part Name & Description	Remarks
D991	YESAD165	LED	
D995	YESAD155	Diode	
RESISTORs			
J901	YESRG132	Chip, 0 Ω 1/4W	
J902	YESRG132	Chip, 0 Ω 1/4W	
J903	YESRG132	Chip, 0 Ω 1/4W	
J904	YESRG132	Chip, 0 Ω 1/4W	
J905	YESRG132	Chip, 0 Ω 1/4W	
J906	YESRG132	Chip, 0 Ω 1/4W	
J907	YESRG132	Chip, 0 Ω 1/4W	
J908	YESRG132	Chip, 0 Ω 1/4W	
R990	YESRG159	Chip, 1k Ω 1/4W	
R991	YESRG159	Chip, 1k Ω 1/4W	
R992	YESRG241	Chip, 0 Ω 1/8W	
CONNECTORs			
CN990	YESAE405	Connector, 17P	
CN991	YESAE377	Connector, 14P	
SWITCHes			
SW990	K0H1BA000445	Switch	
Accessories			
PRINTINGS			
	YEFM285756	Operating Instructions	
	YEFM294110	Installation Instructions (A)	
	YEFM294111	Installation Instructions (B)	
	YEFM294112	Installation Instructions (C)	
INSTALLATION PARTS			
	YEP0FZ5699	Installation kit (Lock Cancel Plate, Mounting Bolt, ISO Antenna Adapter)	
	YEFC051011	Trim Plate	
	YEAJ02874	Power Connector	
	YEFX0217263	Mounting Collar	
	YEFA131839	Removable Face Plate Case	
	EUR7641010	Remote Control Unit (includes a battery)	
	CR2025/1F	Lithiumu Battery	⚠
MECHANICAL PARTS			
MISCELLANEOUS			
AT001	YESAT01031	Earth Terminal	
AT002	YESAT01031	Earth Terminal	
AT051	YM104C700ZA	Antenna Receptacle	

Ref. No.	Part No.	Part Name & Description	Remarks
1	YESFA01073	Main Chassis	
2	YESFX005155	Ground Contactor	
4	YESFF01084	Heat Sink	
6	YESFA05037	Bottom Cover	
20	YESAP486	Main PCB w/ Components	RTL
21	YESAP493	Sub PCB w/ Components	RTL
25	YESFC02225	Escutcheon	
26	YESFE13220	Button (Eject)	
27	YESFS01092	Dust Felt	
28	YESFX999066	Bracket Arm Ass'y	
29	YESFX001034	CD Indicator	
30	YESFX999073	Hook Bracket Ass'y	
31	YESAP464	Connector PCB w/ Components	RTL
32	YESFE13221	Button, Detect	
33	YESFX999065	Guide, Detect Button	
34	YESFX005157	Spring, Return	
35	YESFX005158	Spring, Guide	
40	YESSDF0176	Removable Face Plate Unit	RTL
41	YESAP491	Display PCB w/ Components	RTL
42	YESFC02241	Detachable Face Ass'y	
43	YESFA07016	Rear Cover	
44	YESFX999068	Shaft Collar	
45	YESFX999069	Shaft Collar	
46	YESFX005135	Spring	
47	YESFX005138	Knob Spring	
48	YESFE13263	Button (SOURCE)	
49	YESFE13264	Button (PRESET)	
50	YESFE13265	Button (Mute)	
51	YESFE13261	Button, OPEN	
52	YESFX005136	Open Button Spring	
53	YESFE02027	VOL Knob	
54	YESFX999076	Ring, TUNE/TRACK	
55	YESFX999077	Button Base	
56	YESFE13268	Button (BAND TA)	
57	YESFX999078	VOL Indicator	
58	YESFX999080	Sheet	
59	YESFX999081	VOL Indicator	
82	YESFX021150	Regulator Bracket	
83	YESFA08034	Rear Plate	
92	YESFM01087	Laser Seal A	
93	YESFM01088	Laser Seal B	
100	YESJS01189	Screw, 2.6*4.0	
101	YESJS01188	Bind S Tite, 2.6*5.0	
102	YESJT03074	Bind Tapping, 2.6*8	
103	YESJS01190	Screw, 2.6*6.0	
104	YESJS01187	Bind Screw, 2.6*10	
105	YESJT03075	Tapping Screw, 2.0*8.0	
106	YESJT03076	Tapping Screw, 2*6	

12. EXPLODED VIEW (Unit) [CQ-C3503N]



13. REPLACEMENT PARTS LIST [CQ-C3303N]

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any

of these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7222-02-11] MAIN BLOCK			
IC's and TRANSISTORs			
IC201	YESAM293	IC	
IC231	YESAM320	IC	
IC271	C1EA00000041	IC	
IC501	YESAM283	IC	
IC601	YESAM356	IC	
IC751	YESAM349	IC	
IC801	YESAM351	IC	
IC802	YESAM352	IC	
PA051	YESAP403	Tuner Pack	
Q052	YESAN117	Transistor	
Q054	YESAN122	Transistor	
Q055	YESAN117	Transistor	
Q066	YESAN132	Transistor	
Q261	YESAN121	Transistor	
Q262	YESAN121	Transistor	
Q265	YESAN125	Transistor	
Q361	YESAN121	Transistor	
Q362	YESAN121	Transistor	
Q365	YESAN125	Transistor	
Q401	B1CBGF000005	FET	
Q660	YESAN128	Transistor	
Q661	YESAN127	Transistor	
Q671	YESAN120	Transistor	
Q672	YESAN118	Transistor	
Q701	YESAN126	Transistor	
Q702	YESAN129	Transistor	
Q704	YESAN123	Transistor	
Q752	YESAN115	FET	
Q770	YESAN087	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q851	B1BCCF000017	Transistor	
Q871	YESAN113	Transistor	
DIODEs			
D053	YESAD119	Zener Diode	
D231	YESAD143	Diode	
D232	YESAD144	Diode	
D233	YESAD119	Zener Diode	
D270	YESAD146	Diode	
D271	YESAD146	Diode	
D272	YESAD146	Diode	
D273	YESAD146	Diode	
D274	YESAD146	Diode	
D275	YESAD146	Diode	
D276	YESAD146	Diode	
D277	YESAD146	Diode	
D677	YESAD147	Zener Diode	
D681	YESAD149	Diode	
D691	YESAD155	Diode	
D701	YESAD139	Diode	
D702	YESAD153	Zener Diode	
D704	YESAD143	Diode	
D705	YESAD146	Diode	
D751	YESAD141	Diode	
D770	YESAD123	Zener Diode	
D791	B0ACCK000005	Diode	
D792	B0ACCK000005	Diode	
CAPACITORs			
C61	YESCC527	Ceramic, 0.022 μ F 25WV	
C62	YESCC527	Ceramic, 0.022 μ F 25WV	
C051	YECUS1H470JC	Ceramic, 47pF 50WV	
C053	YESCC482	Ceramic, 0.01 μ F 50WV	
C055	YESCC482	Ceramic, 0.01 μ F 50WV	
C058	YESCC482	Ceramic, 0.01 μ F 50WV	
C065	YESCC481	Ceramic, 0.001 μ F 50WV	
C066	YESCC226	Ceramic, 470pF 50WV	
C067	YESCC482	Ceramic, 0.01 μ F 50WV	
C071	YESCC559	Ceramic, 0.012 μ F 50WV	
C201	YESCC529	Ceramic, 0.22 μ F 16WV	
C202	YESCC550	Electrolytic, 3.3 μ F 50WV	
C204	YESCC452	Ceramic, 1 μ F 16WV	
C206	YESCC549	Electrolytic, 2.2 μ F 50WV	
C207	YESCC452	Ceramic, 1 μ F 16WV	
C208	YESCC483	Ceramic, 0.1 μ F 50WV	
C231	YESCC483	Ceramic, 0.1 μ F 50WV	
C232	YESCC483	Ceramic, 0.1 μ F 50WV	
C233	YESCC481	Ceramic, 0.001 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C234	YESCC563	Ceramic, 2.2 μ F	
C235	YESCC545	Electrolytic, 22 μ F 10WV	
C236	YESCC563	Ceramic, 2.2 μ F	
C251	YESCC226	Ceramic, 470pF 50WV	
C261	YESCC372	Electrolytic, 4.7 μ F 25WV	
C262	YESCC372	Electrolytic, 4.7 μ F 25WV	
C263	YESCC487	Ceramic, 0.47 μ F 16WV	
C267	YESCC487	Ceramic, 0.47 μ F 16WV	
C268	YESCC487	Ceramic, 0.47 μ F 16WV	
C269	YESCC487	Ceramic, 0.47 μ F 16WV	
C271	YESCC486	Ceramic, 0.0047 μ F 50WV	
C272	YESCC486	Ceramic, 0.0047 μ F 50WV	
C276	YESCC548	Electrolytic, 47 μ F 16WV	
C277	YESCC452	Ceramic, 1 μ F 16WV	
C278	YESCC483	Ceramic, 0.1 μ F 50WV	
C279	YESCC368	Electrolytic, 2200 μ F 16WV	
C280	YESCC563	Ceramic, 2.2 μ F	
C281	YESCC563	Ceramic, 2.2 μ F	
C292	YESCC482	Ceramic, 0.01 μ F 50WV	
C301	YESCC529	Ceramic, 0.22 μ F 16WV	
C302	YESCC550	Electrolytic, 3.3 μ F 50WV	
C304	YESCC452	Ceramic, 1 μ F 16WV	
C306	YESCC549	Electrolytic, 2.2 μ F 50WV	
C307	YESCC546	Electrolytic, 10 μ F 16WV	
C308	YESCC539	Electrolytic, 120 μ F 10WV	
C351	YESCC226	Ceramic, 470pF 50WV	
C361	YESCC372	Electrolytic, 4.7 μ F 25WV	
C362	YESCC372	Electrolytic, 4.7 μ F 25WV	
C363	YESCC487	Ceramic, 0.47 μ F 16WV	
C367	YESCC487	Ceramic, 0.47 μ F 16WV	
C368	YESCC487	Ceramic, 0.47 μ F 16WV	
C369	YESCC487	Ceramic, 0.47 μ F 16WV	
C371	YESCC486	Ceramic, 0.0047 μ F 50WV	
C372	YESCC486	Ceramic, 0.0047 μ F 50WV	
C375	YESCC404	Electrolytic, 10 μ F 16WV	
C378	YESCC483	Ceramic, 0.1 μ F 50WV	
C401	YESCC543	Electrolytic, 680 μ F 10WV	
C402	ECQV1H683JL2	Plastic, 0.068 μ F 50WV	
C403	YESCC562	Ceramic, 0.0068 μ F 50WV	
C404	YESCC482	Ceramic, 0.01 μ F 50WV	
C421	F1J1H101A667	Ceramic, 100pF 50WV	
C430	YESCC313	Electrolytic, 220 μ F 10WV	
C501	YESCC223	Ceramic, 27pF 50WV	
C502	YESCC219	Ceramic, 10pF 50WV	
C505	YESCC483	Ceramic, 0.1 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C506	YESCC482	Ceramic, 0.01 μ F 50WV	
C507	YESCC224	Ceramic, 270pF 50WV	
C508	YESCC546	Electrolytic, 10 μ F 16WV	
C509	YESCC545	Electrolytic, 22 μ F 10WV	
C601	YECUS1H220JC	Ceramic, 22pF 50WV	
C602	YECUS1H220JC	Ceramic, 22pF 50WV	
C603	YESCC452	Ceramic, 1 μ F 16WV	
C604	YESCC482	Ceramic, 0.01 μ F 50WV	
C605	YESCC482	Ceramic, 0.01 μ F 50WV	
C606	YESCC397	Electrolytic, 1000 μ F 6.3WV	
C608	F1J1H101A667	Ceramic, 100pF 50WV	
C609	YESCC452	Ceramic, 1 μ F 16WV	
C610	YESCC482	Ceramic, 0.01 μ F 50WV	
C611	YESCC482	Ceramic, 0.01 μ F 50WV	
C612	YESCC482	Ceramic, 0.01 μ F 50WV	
C642	YESCC487	Ceramic, 0.47 μ F 16WV	
C660	YESCC549	Electrolytic, 2.2 μ F 50WV	
C701	YESCC483	Ceramic, 0.1 μ F 50WV	
C702	YESCC483	Ceramic, 0.1 μ F 50WV	
C751	YESCC396	Electrolytic, 470 μ F 16WV	
C752	YESCC483	Ceramic, 0.1 μ F 50WV	
C753	YESCC539	Electrolytic, 120 μ F 10WV	
C754	YESCC539	Electrolytic, 120 μ F 10WV	
C755	YESCC482	Ceramic, 0.01 μ F 50WV	
C756	YESCC482	Ceramic, 0.01 μ F 50WV	
C757	YESCC482	Ceramic, 0.01 μ F 50WV	
C758	YESCC483	Ceramic, 0.1 μ F 50WV	
C759	YESCC482	Ceramic, 0.01 μ F 50WV	
C760	YESCC482	Ceramic, 0.01 μ F 50WV	
C770	YESCC547	Electrolytic, 100 μ F 16WV	
C801	YESCC486	Ceramic, 0.0047 μ F 50WV	
C802	YESCC482	Ceramic, 0.01 μ F 50WV	
C803	YESCC560	Ceramic, 0.047 μ F 50WV	
C804	YESCC561	Ceramic, 0.056 μ F 50WV	
C805	YESCC482	Ceramic, 0.01 μ F 50WV	
C806	YESCC481	Ceramic, 0.001 μ F 50WV	
C807	YESCC561	Ceramic, 0.056 μ F 50WV	
C808	YESCC482	Ceramic, 0.01 μ F 50WV	
C809	YESCC483	Ceramic, 0.1 μ F 50WV	
C810	YESCC424	Electrolytic, 100 μ F 6.3WV	
C811	YESCC452	Ceramic, 1 μ F 16WV	
C812	YESCC560	Ceramic, 0.047 μ F 50WV	
C813	YESCC483	Ceramic, 0.1 μ F 50WV	
C814	YESCC483	Ceramic, 0.1 μ F 50WV	
C815	YESCC483	Ceramic, 0.1 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C816	YESCC544	Electrolytic, 100 μ F 6.3WV	
C817	YESCC483	Ceramic, 0.1 μ F 50WV	
C818	YESCC544	Electrolytic, 100 μ F 6.3WV	
C819	YESCC483	Ceramic, 0.1 μ F 50WV	
C820	YESCC271	Ceramic, 68pF 50WV	
C821	YESCC271	Ceramic, 68pF 50WV	
C822	YESCC483	Ceramic, 0.1 μ F 50WV	
C823	YESCC483	Ceramic, 0.1 μ F 50WV	
C824	YESCC483	Ceramic, 0.1 μ F 50WV	
C825	YESCC414	Electrolytic, 1 μ F 50WV	
C826	YESCC483	Ceramic, 0.1 μ F 50WV	
C827	YESCC424	Electrolytic, 100 μ F 6.3WV	
C828	YESCC483	Ceramic, 0.1 μ F 50WV	
C829	YESCC483	Ceramic, 0.1 μ F 50WV	
C832	YESCC483	Ceramic, 0.1 μ F 50WV	
C833	YESCC315	Electrolytic, 330 μ F 6.3WV	
C834	YESCC483	Ceramic, 0.1 μ F 50WV	
C835	YESCC560	Ceramic, 0.047 μ F 50WV	
C851	YESCC482	Ceramic, 0.01 μ F 50WV	
C852	YESCC547	Electrolytic, 100 μ F 16WV	
C853	YESCC482	Ceramic, 0.01 μ F 50WV	
C854	YESCC538	Electrolytic, 150 μ F 6.3WV	
C855	YESCC547	Electrolytic, 100 μ F 16WV	
C856	YESCC483	Ceramic, 0.1 μ F 50WV	
C871	YESCC483	Ceramic, 0.1 μ F 50WV	
C872	YESCC483	Ceramic, 0.1 μ F 50WV	
C873	YESCC482	Ceramic, 0.01 μ F 50WV	
C874	YESCC558	Electrolytic, 5.6 μ F 50WV	
C875	YESCC483	Ceramic, 0.1 μ F 50WV	
C876	YESCC538	Electrolytic, 150 μ F 6.3WV	
C877	YESCC377	Electrolytic, 47 μ F 6.3WV	
C878	YESCC483	Ceramic, 0.1 μ F 50WV	
C879	YESCC483	Ceramic, 0.1 μ F 50WV	
C880	YESCC544	Electrolytic, 100 μ F 6.3WV	
C881	YESCC544	Electrolytic, 100 μ F 6.3WV	
C891	YESCC481	Ceramic, 0.001 μ F 50WV	
RESISTORs			
J101	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J102	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J103	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J104	YESRG196	Chip, 0 Ω 1/8W	
J105	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J106	YESRG132	Chip, 0 Ω 1/4W	
J107	YESRG241	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J108	YESRG132	Chip, 0 Ω 1/4W	
J109	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J110	YESRG132	Chip, 0 Ω 1/4W	
J111	YESRG196	Chip, 0 Ω 1/8W	
J113	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J114	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J115	YESRG132	Chip, 0 Ω 1/4W	
J116	YESRG132	Chip, 0 Ω 1/4W	
J117	YESRG132	Chip, 0 Ω 1/4W	
J118	YESRG132	Chip, 0 Ω 1/4W	
J119	YESRG132	Chip, 0 Ω 1/4W	
J120	YESRG132	Chip, 0 Ω 1/4W	
J122	YESRG132	Chip, 0 Ω 1/4W	
J123	YESRG241	Chip, 0 Ω 1/8W	
J124	YESRG132	Chip, 0 Ω 1/4W	
J129	YESRG241	Chip, 0 Ω 1/8W	
J130	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J131	YESRG241	Chip, 0 Ω 1/8W	
J132	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J133	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J134	YESRG132	Chip, 0 Ω 1/4W	
J135	YESRG132	Chip, 0 Ω 1/4W	
J136	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J145	YESRG196	Chip, 0 Ω 1/8W	
J151	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J152	YESRG241	Chip, 0 Ω 1/8W	
J153	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J155	YESRG132	Chip, 0 Ω 1/4W	
J157	YESRG132	Chip, 0 Ω 1/4W	
J158	YESRG132	Chip, 0 Ω 1/4W	
J159	YESRG196	Chip, 0 Ω 1/8W	
J160	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J161	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J163	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J164	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J165	YESRG132	Chip, 0 Ω 1/4W	
J166	YESRG132	Chip, 0 Ω 1/4W	
J167	YESRG132	Chip, 0 Ω 1/4W	
J168	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J169	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J171	YESRG241	Chip, 0 Ω 1/8W	
J172	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J173	YESRG132	Chip, 0 Ω 1/4W	
J174	YESRG241	Chip, 0 Ω 1/8W	
J175	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J176	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J177	YESRG132	Chip, 0 Ω 1/4W	
J178	YESRG132	Chip, 0 Ω 1/4W	
J179	YESRG132	Chip, 0 Ω 1/4W	
J180	YESRG132	Chip, 0 Ω 1/4W	
J181	ERJ8GX0R00V	Chip, 0 Ω 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
J182	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J183	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J184	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J185	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J186	YESRG132	Chip, 0 Ω 1/4W	
J187	YESRG132	Chip, 0 Ω 1/4W	
J188	YESRG241	Chip, 0 Ω 1/8W	
J189	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J190	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J191	YESRG132	Chip, 0 Ω 1/4W	
J194	YESRG196	Chip, 0 Ω 1/8W	
L291	YESRG241	Chip, 0 Ω 1/8W	
R050	YESRG399	Chip, 5.6k Ω 1/8W	
R052	YESRG189	Chip, 100 Ω 1/4W	
R053	YESRG132	Chip, 0 Ω 1/4W	
R058	YESRG241	Chip, 0 Ω 1/8W	
R060	YESRG385	Chip, 33k Ω 1/8W	
R065	YESRG387	Chip, 39k Ω 1/8W	
R066	YESRG442	Chip, 330k Ω 1/8W	
R067	YESRG320	Chip, 2.2k Ω 1/8W	
R068	YESRG319	Chip, 1k Ω 1/8W	
R070	YESRG420	Carbon, 220 Ω 1/4W	
R201	YESRG415	Chip, 18k Ω 1/8W	
R202	YESRG382	Chip, 27k Ω 1/8W	
R203	YESRG390	Chip, 4.7k Ω 1/8W	
R204	YESRG390	Chip, 4.7k Ω 1/8W	
R208	YESRG319	Chip, 1k Ω 1/8W	
R209	YESRG241	Chip, 0 Ω 1/8W	
R232	YESRG361	Chip, 100k Ω 1/8W	
R233	YESRG391	Chip, 47k Ω 1/8W	
R234	YESRG360	Chip, 10k Ω 1/8W	
R235	YESRG391	Chip, 47k Ω 1/8W	
R236	YESRG385	Chip, 33k Ω 1/8W	
R237	YESRG360	Chip, 10k Ω 1/8W	
R238	YESRG319	Chip, 1k Ω 1/8W	
R239	YESRG382	Chip, 27k Ω 1/8W	
R251	YESRG382	Chip, 27k Ω 1/8W	
R252	YESRG374	Chip, 20k Ω 1/8W	
R261	YESRG371	Chip, 180 Ω 1/8W	
R262	YESRG371	Chip, 180 Ω 1/8W	
R263	YESRG396	Chip, 560 Ω 1/8W	
R265	YESRG360	Chip, 10k Ω 1/8W	
R266	YESRG360	Chip, 10k Ω 1/8W	
R267	YESRG396	Chip, 560 Ω 1/8W	
R275	YESRG376	Chip, 22k Ω 1/8W	
R280	YESRG040	Chip, 130 Ω 1/4W	
R291	YESRG241	Chip, 0 Ω 1/8W	
R299	YESRG431	Chip, 22 Ω 1/8W	
R301	YESRG415	Chip, 18k Ω 1/8W	
R302	YESRG382	Chip, 27k Ω 1/8W	
R303	YESRG390	Chip, 4.7k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R304	YESRG390	Chip, 4.7k Ω 1/8W	
R308	YESRG134	Chip, 1k Ω 1/4W	
R309	YESRG241	Chip, 0 Ω 1/8W	
R351	YESRG382	Chip, 27k Ω 1/8W	
R352	YESRG374	Chip, 20k Ω 1/8W	
R361	YESRG418	Carbon, 180 Ω 1/4W	
R362	YESRG418	Carbon, 180 Ω 1/4W	
R363	YESRG396	Chip, 560 Ω 1/8W	
R365	YESRG360	Chip, 10k Ω 1/8W	
R366	YESRG360	Chip, 10k Ω 1/8W	
R367	YESRG396	Chip, 560 Ω 1/8W	
R375	YESRG417	Carbon, 12k Ω 1/4W	
R391	YESRG241	Chip, 0 Ω 1/8W	
R401	YESRG334	Chip, 10 Ω 1/8W	
R402	YESRG384	Chip, 330 Ω 1/8W	
R403	YESRG394	Chip, 5.1k Ω 1/8W	
R501	YESRG441	Chip, 2.2M Ω 1/8W	
R506	YESRG135	Chip, 10k Ω 1/4W	
R507	YESRG360	Chip, 10k Ω 1/8W	
R601	YESRG416	Carbon, 1k Ω 1/4W	
R602	YESRG416	Carbon, 1k Ω 1/4W	
R603	YESRG416	Carbon, 1k Ω 1/4W	
R604	YESRG416	Carbon, 1k Ω 1/4W	
R605	YESRG134	Chip, 1k Ω 1/4W	
R606	YESRG134	Chip, 1k Ω 1/4W	
R607	YESRG320	Chip, 2.2k Ω 1/8W	
R608	YESRG134	Chip, 1k Ω 1/4W	
R609	YESRG416	Carbon, 1k Ω 1/4W	
R610	YESRG416	Carbon, 1k Ω 1/4W	
R611	YESRG416	Carbon, 1k Ω 1/4W	
R612	YESRG134	Chip, 1k Ω 1/4W	
R613	YESRG134	Chip, 1k Ω 1/4W	
R614	YESRG319	Chip, 1k Ω 1/8W	
R615	YESRG416	Carbon, 1k Ω 1/4W	
R617	YESRG416	Carbon, 1k Ω 1/4W	
R618	YESRG381	Chip, 2.7k Ω 1/8W	
R619	YESRG391	Chip, 47k Ω 1/8W	
R620	YESRG391	Chip, 47k Ω 1/8W	
R621	YESRG391	Chip, 47k Ω 1/8W	
R622	YESRG391	Chip, 47k Ω 1/8W	
R623	YESRG148	Chip, 47k Ω 1/4W	
R625	YESRG148	Chip, 47k Ω 1/4W	
R626	YESRG319	Chip, 1k Ω 1/8W	
R627	YESRG319	Chip, 1k Ω 1/8W	
R628	YESRG360	Chip, 10k Ω 1/8W	
R629	YESRG360	Chip, 10k Ω 1/8W	
R630	YESRG391	Chip, 47k Ω 1/8W	
R631	YESRG141	Chip, 2.2k Ω 1/4W	
R632	YESRG391	Chip, 47k Ω 1/8W	
R633	YESRG134	Chip, 1k Ω 1/4W	
R636	YESRG391	Chip, 47k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R639	YESRG391	Chip, 47k Ω 1/8W	
R641	YESRG135	Chip, 10k Ω 1/4W	
R642	YESRG181	Chip, 270k Ω 1/8W	
R643	YESRG416	Carbon, 1k Ω 1/4W	
R644	YESRG132	Chip, 0 Ω 1/4W	
R646	YESRG375	Chip, 220 Ω 1/8W	
R647	YESRG393	Chip, 510 Ω 1/8W	
R651	YESRG196	Chip, 0 Ω 1/8W	
R652	YESRG196	Chip, 0 Ω 1/8W	
R660	YESRG145	Chip, 390 Ω 1/4W	
R661	YESRG381	Chip, 2.7k Ω 1/8W	
R671	YESRG373	Chip, 180k Ω 1/8W	
R673	YESRG391	Chip, 47k Ω 1/8W	
R674	YESRG134	Chip, 1k Ω 1/4W	
R675	YESRG319	Chip, 1k Ω 1/8W	
R676	YESRG319	Chip, 1k Ω 1/8W	
R677	YESRG319	Chip, 1k Ω 1/8W	
R678	YESRG134	Chip, 1k Ω 1/4W	
R679	YESRG361	Chip, 100k Ω 1/8W	
R680	YESRG319	Chip, 1k Ω 1/8W	
R681	YESRG319	Chip, 1k Ω 1/8W	
R682	YESRG319	Chip, 1k Ω 1/8W	
R683	YESRG361	Chip, 100k Ω 1/8W	
R684	YESRG319	Chip, 1k Ω 1/8W	
R685	YESRG361	Chip, 100k Ω 1/8W	
R686	YESRG399	Chip, 5.6k Ω 1/8W	
R687	YESRG391	Chip, 47k Ω 1/8W	
R689	YESRG419	Carbon, 180k Ω 1/4W	
R690	YESRG134	Chip, 1k Ω 1/4W	
R702	YESRG136	Chip, 100k Ω 1/4W	
R703	YESRG313	Chip, 33k Ω 1/4W	
R704	YESRG361	Chip, 100k Ω 1/8W	
R705	YESRG391	Chip, 47k Ω 1/8W	
R709	YESRG319	Chip, 1k Ω 1/8W	
R710	YESRG389	Chip, 470 Ω 1/8W	
R712	YESRG191	Chip, 22k Ω 1/4W	
R713	YESRG388	Chip, 4.3k Ω 1/8W	
R714	YESRG404	Chip, 8.2k Ω 1/8W	
R751	YESRG337	Chip, 3.3k Ω 1/8W	
R752	YESRG368	Chip, 15k Ω 1/8W	
R753	YESRG319	Chip, 1k Ω 1/8W	
R754	YESRG391	Chip, 47k Ω 1/8W	
R755	YESRG319	Chip, 1k Ω 1/8W	
R770	YESRG319	Chip, 1k Ω 1/8W	
R771	YESRG196	Chip, 0 Ω 1/8W	
R772	YESRG196	Chip, 0 Ω 1/8W	
R791	YESRG241	Chip, 0 Ω 1/8W	
R801	YESRG384	Chip, 330 Ω 1/8W	
R802	YESRG241	Chip, 0 Ω 1/8W	
R803	YESRG241	Chip, 0 Ω 1/8W	
R804	YESRG390	Chip, 4.7k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R805	YESRG390	Chip, 4.7k Ω 1/8W	
R806	YESRG400	Chip, 680 Ω 1/8W	
R807	YESRG433	Chip, 3.3M Ω 1/8W	
R808	YESRG400	Chip, 680 Ω 1/8W	
R809	YESRG436	Chip, 68k Ω 1/8W	
R810	YESRG319	Chip, 1k Ω 1/8W	
R811	YESRG319	Chip, 1k Ω 1/8W	
R812	YESRG382	Chip, 27k Ω 1/8W	
R813	YESRG397	Chip, 5.6k Ω 1/8W	
R814	YESRG382	Chip, 27k Ω 1/8W	
R815	YESRG319	Chip, 1k Ω 1/8W	
R816	YESRG382	Chip, 27k Ω 1/8W	
R817	YESRG319	Chip, 1k Ω 1/8W	
R818	YESRG319	Chip, 1k Ω 1/8W	
R819	YESRG349	Chip, 22 Ω 1/4W	
R820	YESRG337	Chip, 3.3k Ω 1/8W	
R821	YESRG427	Chip, 150 Ω 1/8W	
R822	YESRG376	Chip, 22k Ω 1/8W	
R823	YESRG196	Chip, 0 Ω 1/8W	
R824	YESRG426	Chip, 120 Ω 1/8W	
R825	YESRG334	Chip, 10 Ω 1/8W	
R826	YESRG391	Chip, 47k Ω 1/8W	
R851	YESRG421	Carbon, 22k Ω 1/4W	
R852	YESRG376	Chip, 22k Ω 1/8W	
R853	YESRG376	Chip, 22k Ω 1/8W	
R854	YESRG423	Chip, 15k Ω 1/10W	
R855	YESRG360	Chip, 10k Ω 1/8W	
R856	YESRG428	Chip, 16k Ω 1/8W	
R857	YESRG385	Chip, 33k Ω 1/8W	
R858	YESRG385	Chip, 33k Ω 1/8W	
R859	YESRG435	Chip, 6.2k Ω 1/8W	
R860	YESRG401	Chip, 6.8k Ω 1/8W	
R861	YESRG435	Chip, 6.2k Ω 1/8W	
R862	YESRG360	Chip, 10k Ω 1/8W	
R871	YESRG389	Chip, 470 Ω 1/8W	
R872	YESRG319	Chip, 1k Ω 1/8W	
R873	YESRG319	Chip, 1k Ω 1/8W	
R874	YESRG425	Chip, 8.3 Ω 1/10W	
R875	YESRG424	Chip, 83 Ω 1/10W	
R892	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
R895	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
CONNECTORs			
CN250	YESAE375	Jack	
CN601	YESAE404	Connector, 17P	
CN701	YESAE351	Connector 16P	
CN801	YESAE340	Connector 22P	
COILs			

Ref. No.	Part No.	Part Name & Description	Remarks
L050	YESLQ028	Inductor	
L051	YESLQ035	Inductor	
L401	YESLQ017	Inductor	
L501	YESLQ046	Inductor	
L502	YESLQ046	Inductor	
L601	YESLQ042	Inductor	
L602	YESLQ044	Inductor	
L603	YESLQ044	Inductor	
L671	YESLQ027	Inductor	
L701	YESLT030	Inductor	
L710	YESLQ012	Inductor	
L751	YESLQ047	Inductor	
L801	YESLQ048	Inductor	
L802	YESLQ048	Inductor	
CRYSTALs			
XL501	YESXL039	Crystal	
XL601	YESXL037	Crystal	
XL801	YESXL038	Crystal	
SERGE PROTECTOR / VARISTOR			
Z050	YESRTD014	Serge Protector	
Z701	YESRTD012	Varistor	
SWITCH			
SW671	YEAS08042	Switch	
[7222-05-11] DISPLAY BLOCK			
IC's			
IC901	C0HBA0000195	IC	
IC905	YESAM264	IC	
DIODEs			
D901	YESAD165	LED	
D905	YESAD165	LED	
D906	YESAD165	LED	
D907	YESAD165	LED	
D908	YESAD165	LED	
D909	YESAD165	LED	
D910	YESAD165	LED	
D911	YESAD165	LED	
D912	YESAD165	LED	
D913	YESAD165	LED	
D914	YESAD165	LED	
D915	YESAD165	LED	
D916	YESAD165	LED	
D917	YESAD165	LED	
D918	YESAD165	LED	

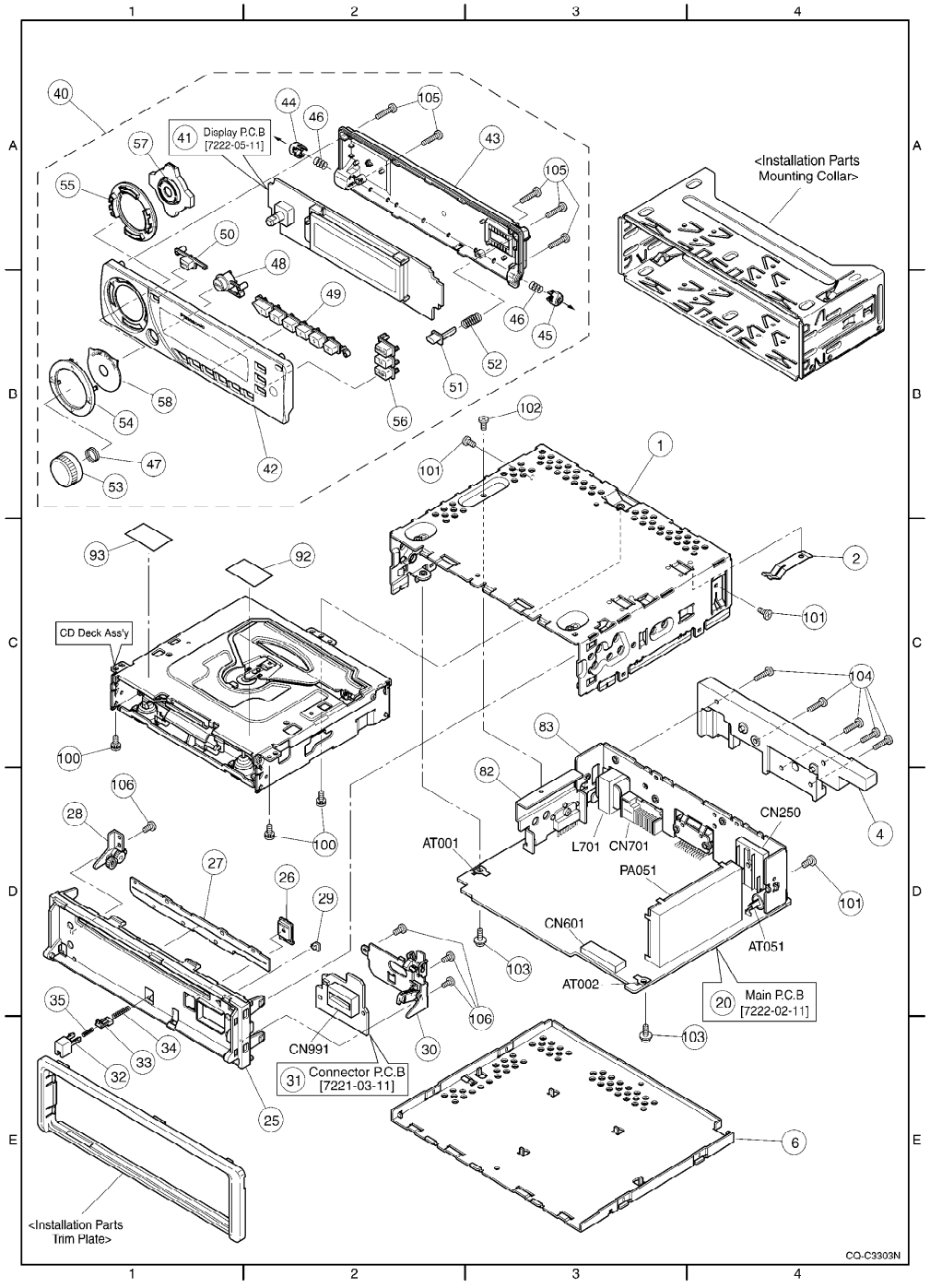
Ref. No.	Part No.	Part Name & Description	Remarks
D931	YESAD150	Zener Diode	
D933	YESAD147	Zener Diode	
D941	YESAD143	Diode	
D990	YESAD168	LED	
D991	YESAD168	LED	
CAPACITORs			
C905	YESCC568	Ceramic, 1 μF	
C906	YESCC441	Ceramic, 1000pF 50WV	
C914	YESCC523	Ceramic, 0.1 μF 16WV	
C915	YESCC523	Ceramic, 0.1 μF 16WV	
C916	YESCC523	Ceramic, 0.1 μF 16WV	
C923	YESCC542	Ceramic, 680pF	
C960	YESCC531	Ceramic, 10 μF	
C970	YESCC531	Ceramic, 10 μF	
RESISTORs			
R903	YESRG210	Chip, 470 Ω 1/10W	
R904	YESRG159	Chip, 1k Ω 1/4W	
R905	YESRG159	Chip, 1k Ω 1/4W	
R906	YESRG159	Chip, 1k Ω 1/4W	
R908	YESRG359	Chip, 100 Ω 1/8W	
R909	YESRG159	Chip, 1k Ω 1/4W	
R910	YESRG209	Chip, 2.2k Ω 1/10W	
R911	YESRG429	Chip, 1 Ω 1/8W	
R920	YESRG138	Chip, 180 Ω 1/4W	
R921	YESRG138	Chip, 180 Ω 1/4W	
R931	YESRG170	Chip, 47k Ω 1/10W	
R939	YESRG211	Chip, 4.7 Ω 1/10W	
R942	YESRG170	Chip, 47k Ω 1/10W	
R950	YESRG199	Chip, 430 Ω 1/8W	
R951	YESRG199	Chip, 430 Ω 1/8W	
R952	YESRG375	Chip, 220 Ω 1/8W	
R953	YESRG375	Chip, 220 Ω 1/8W	
R954	YESRG434	Chip, 390 Ω 1/8W	
R955	YESRG434	Chip, 390 Ω 1/8W	
R962	YESRG319	Chip, 1k Ω 1/8W	
R964	YESRG319	Chip, 1k Ω 1/8W	
R966	YESRG157	Chip, 0 Ω 1/10W	
R981	YESRG170	Chip, 47k Ω 1/10W	
R998	YESRG324	Chip, 0 Ω 1/4W	
CONNECTORs			
CN901	YESAE376	Connector 14P	
CN902	YESAE416	Jack (AUX IN)	
CN911	YESAE414	Connector, 4P	

Ref. No.	Part No.	Part Name & Description	Remarks
SWITCHes			
SW901	YESAS123	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
LCD			
LD901	YESXDCM031	LCD	
[7221-03-11] CONNECTOR BLOCK			
DIODEs			
D990	YESAD165	LED	
D991	YESAD165	LED	
D995	YESAD155	Diode	
RESISTORs			
J901	YESRG132	Chip, 0 Ω 1/4W	
J902	YESRG132	Chip, 0 Ω 1/4W	
J903	YESRG132	Chip, 0 Ω 1/4W	
J904	YESRG132	Chip, 0 Ω 1/4W	
J905	YESRG132	Chip, 0 Ω 1/4W	
J906	YESRG132	Chip, 0 Ω 1/4W	
J907	YESRG132	Chip, 0 Ω 1/4W	
J908	YESRG132	Chip, 0 Ω 1/4W	
R990	YESRG159	Chip, 1k Ω 1/4W	
R991	YESRG159	Chip, 1k Ω 1/4W	
R992	YESRG241	Chip, 0 Ω 1/8W	
CONNECTORs			
CN990	YESAE405	Connector, 17P	
CN991	YESAE377	Connector, 14P	
SWITCHes			
SW990	K0H1BA000445	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
Accessories			
PRINTINGS			
	YEFM285756	Operating Instructions	
	YEFM294110	Installation Instructions (A)	
	YEFM294111	Installation Instructions (B)	
	YEFM294112	Installation Instructions (C)	
INSTALLATION PARTS			
	YEP0FZ5699	Installation kit (Lock Cancel Plate, Mounting Bolt, ISO Antenna Adapter)	
	YEFC051011	Trim Plate	
	YEAJ02874	Power Connector	
	YEFX0217263	Mounting Collar	
	YEFA131839	Removable Face Plate Case	
MECHANICAL PARTS			
MISCELLANEOUS			
AT001	YESAT01031	Earth Terminal	
AT002	YESAT01031	Earth Terminal	
AT051	YM104C700ZA	Antenna Receptacle	
1	YESFA01073	Main Chassis	
2	YESFX005155	Ground Contactor	
4	YESFF01084	Heat Sink	
6	YESFA05037	Bottom Cover	
20	YESAP487	Main PCB w/ Components	RTL
25	YESFC02225	Escutcheon	
26	YESFE13220	Button (Eject)	
27	YESFS01092	Dust Felt	
28	YESFX999066	Bracket Arm Ass'y	
29	YESFX001034	CD Indicator	
30	YESFX999073	Hook Bracket Ass'y	
31	YESAP464	Connector PCB w/ Components	RTL
32	YESFE13221	Button, Detect	
33	YESFX999065	Guide, Detect Button	
34	YESFX005157	Spring, Return	
35	YESFX005158	Spring, Guide	
40	YESSDF0169	Removable Face Plate Unit	RTL
41	YESAP492	Display PCB w/ Components	RTL
42	YESFC02242	Detachable Face Ass'y	
43	YESFA07016	Rear Cover	
44	YESFX999068	Shaft Collar	
45	YESFX999069	Shaft Collar	
46	YESFX005135	Spring	
47	YESFX005138	Knob Spring	
48	YESFE13263	Button (SOURCE)	
49	YESFE13264	Button (PRESET)	
50	YESFE13265	Button (Mute)	
51	YESFE13261	Button, OPEN	
52	YESFX005136	Open Button Spring	
53	YESFE02027	VOL Knob	

Ref. No.	Part No.	Part Name & Description	Remarks
54	YESFX999076	Ring, TUNE/TRACK	
55	YESFX999077	Button Base	
56	YESFE13268	Button (BAND TA)	
57	YESFX999078	VOL Indicator	
58	YESFX999079	Sheet B	
82	YESFX021150	Regulator Bracket	
83	YESFA08036	Rear Plate	
92	YESFM01087	Laser Seal A	
93	YESFM01088	Laser Seal B	
100	YESJS01189	Screw, 2.6*4.0	
101	YESJS01188	Bind S Tite, 2.6*5.0	
102	YESJT03074	Bind Tapping, 2.6*8	
103	YESJS01190	Screw, 2.6*6.0	
104	YESJS01187	Bind Screw, 2.6*10	
105	YESJT03075	Tapping Screw, 2.0*8.0	
106	YESJT03076	Tapping Screw, 2*6	

14. EXPLODED VIEW (Unit) [CQ-C3303N]



15. CD PLAYER PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any**

of these components, use only manufacturer's specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

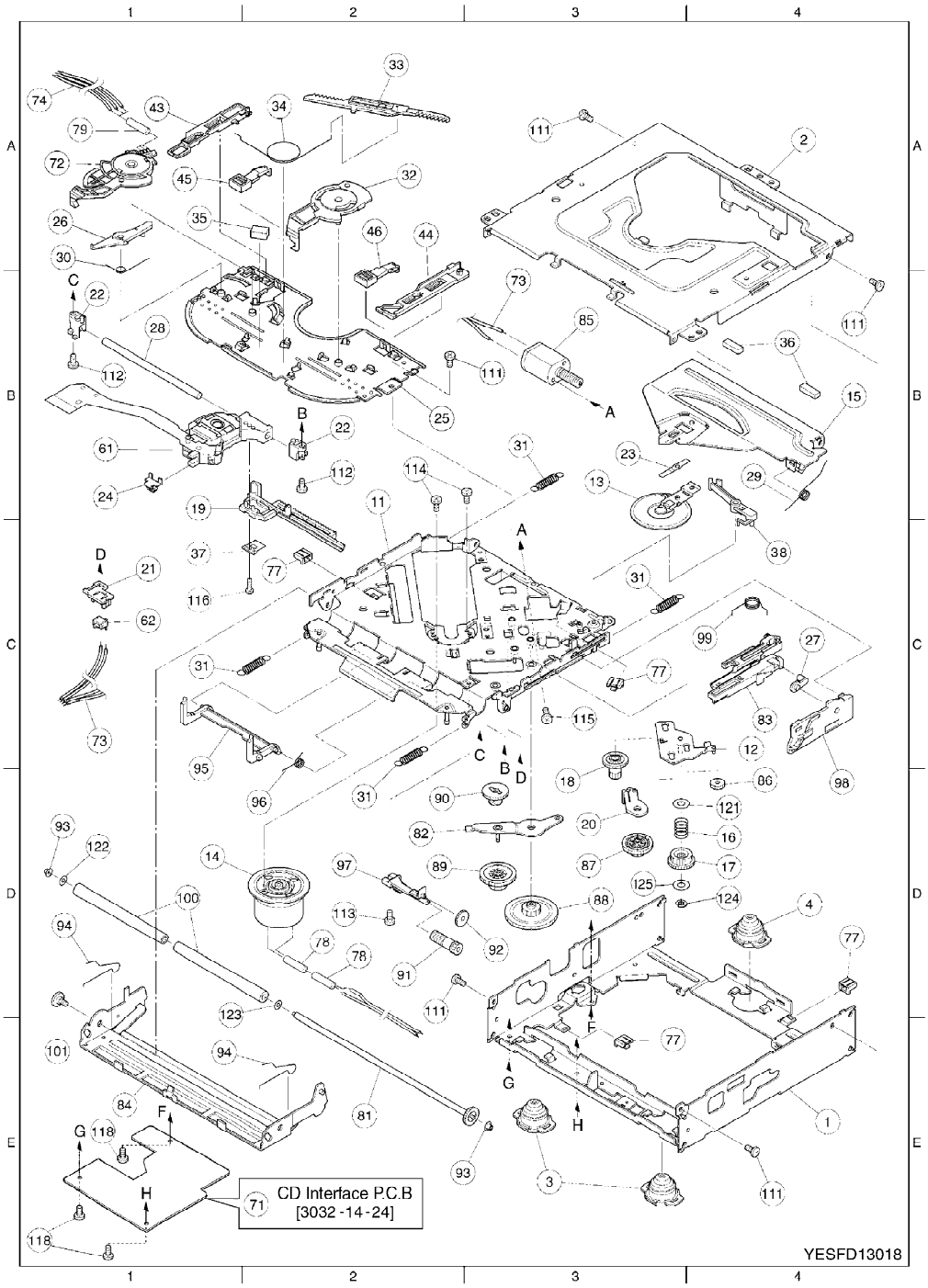
   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-24] CD Interface Block			
CAPACITORs			
C1	YESCC439	Ceramic, 0.1 μ F 25WV	
RESISTOR			
R1	YESRG222	Chip, 1k Ω 1/10W	
CONNECTORs			
CN1	YESAE397		
CN2	YESAE415	Connector, 16P	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	

Ref. No.	Part No.	Part Name & Description	Remarks
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece L	
46	YERFX046011	Select Piece R	
61	YESSZ1093	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP474	CD Interface PCB w/ Components	RTL
72	YESFX046176	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	LOADING/FEED Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide(N)	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	

Ref. No.	Part No.	Part Name & Description	Remarks
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	PW 3.5*8*0.3	
122	YERJW01002	HLW 1.85*5*0.13	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	PW 2.1*4*0.13	

16. EXPLODED VIEW (CD Deck)



17. WIRING DIAGRAM

17.1. Main/Connector Block (Top View)

17.2. Main/Connector Block (Bottom View)

17.3. Display Block

17.4. Sub Block [CQ-C3503N]

17.5. CD Interface Bloc1

18. SCHEMATIC DIAGRAM -1

18.1. CD Interface Block

18.2. Connector Block

18.3. Sub Block [CQ-C3503N]

THIS PAGE IS JUST FOR THE PAGE LAYOUT USE ONLY.

19. SCHEMATIC DIAGRAM -2

19.1. Main Block

19.2. Display Block

20. BLOCK DIAGRAM

20.1. Main/ Display/ Connector Block

21. SCHEMATIC DIAGRAM for Printing with A4 Size

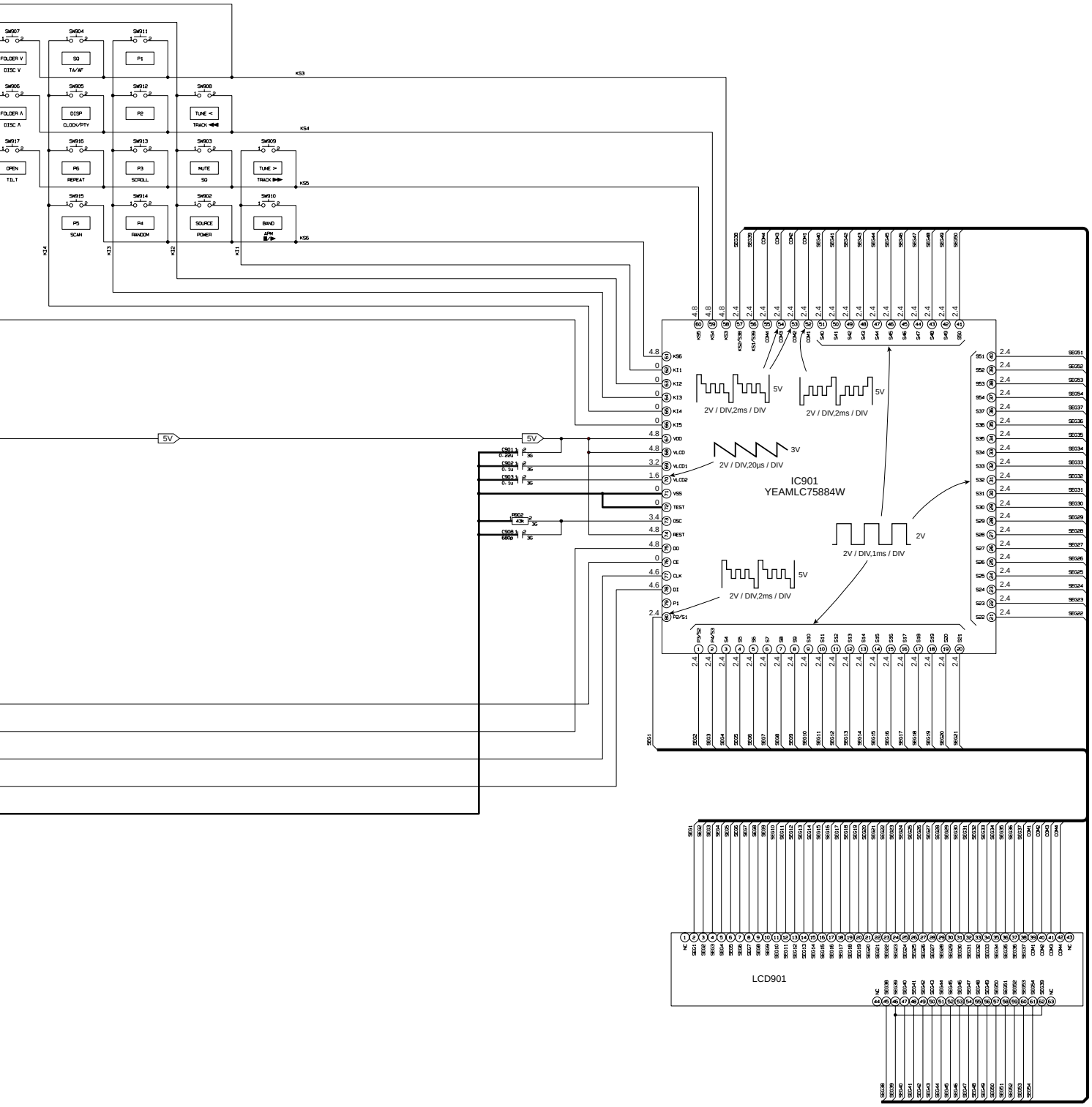
21.1. Main Block (Left Side)

21.2. Main Block (Right Side)

21.3. Display Block (Left Side)

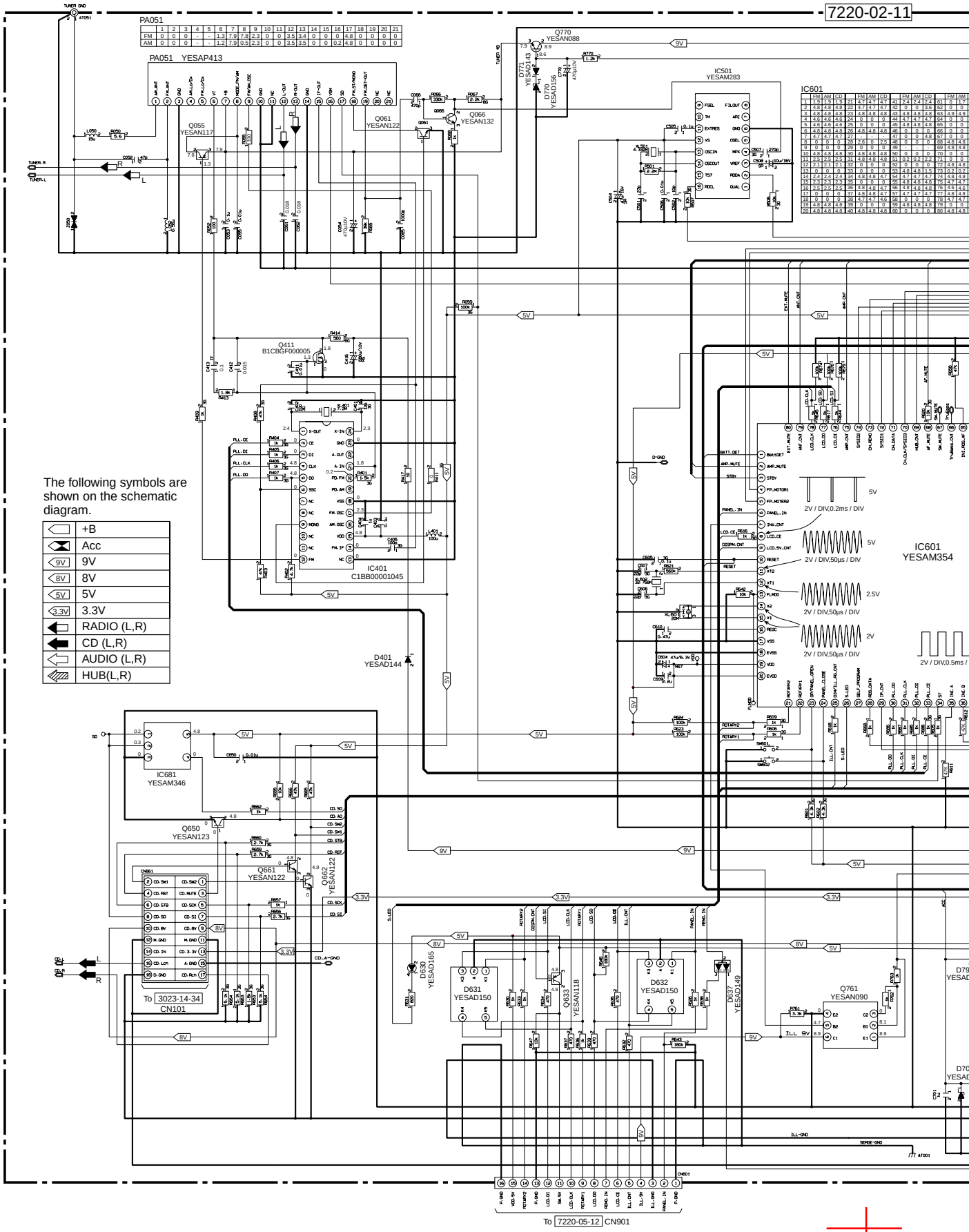
21.4. Display Block (Right Side)

7220-05-12

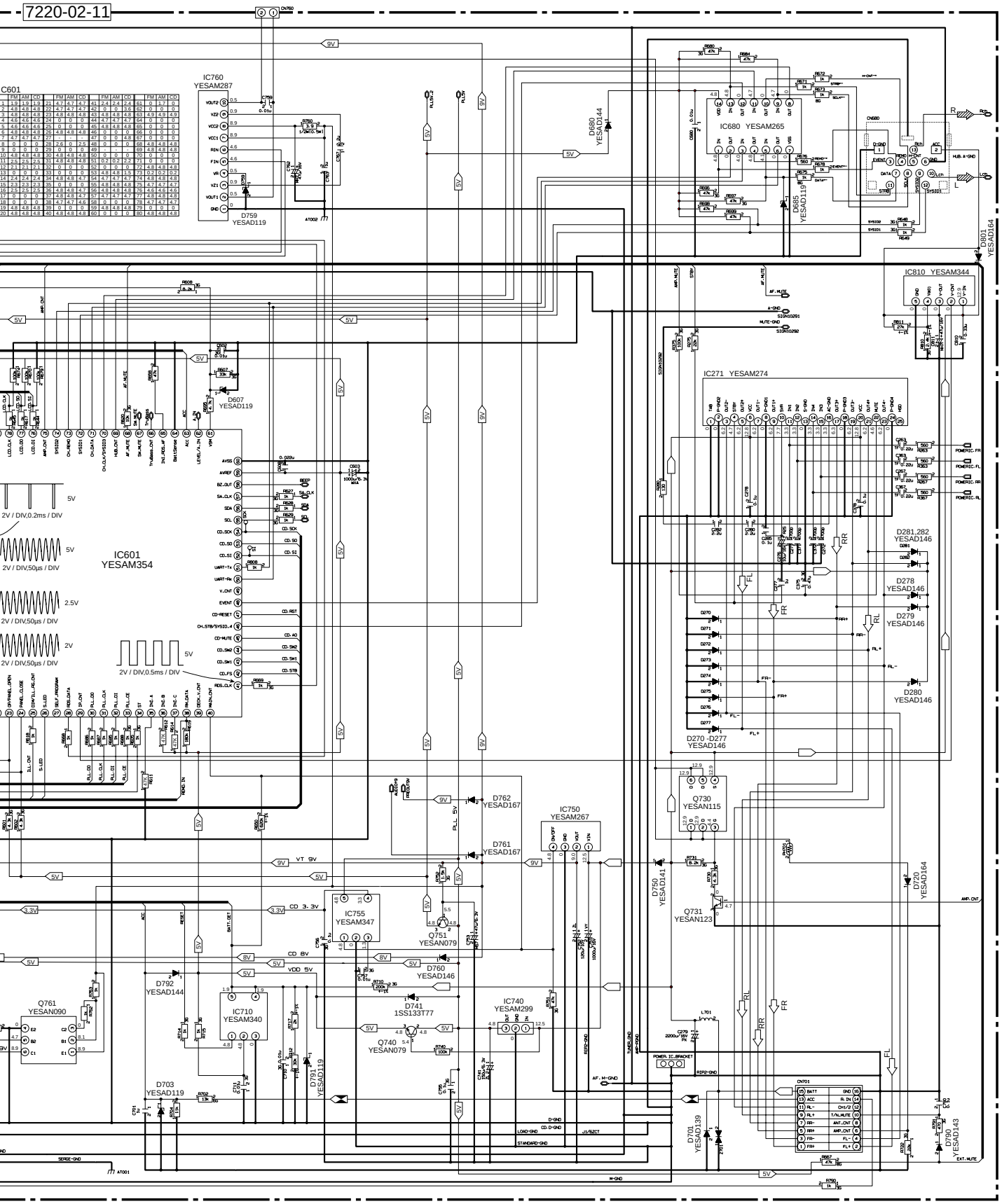

IC901
YEAMLC75884W
LCD901
2V / DIV,2ms / DIV
2V / DIV,20µs / DIV
2V / DIV,1ms / DIV
5V
3V
2V

17 SCHEMATIC DIAGRAM

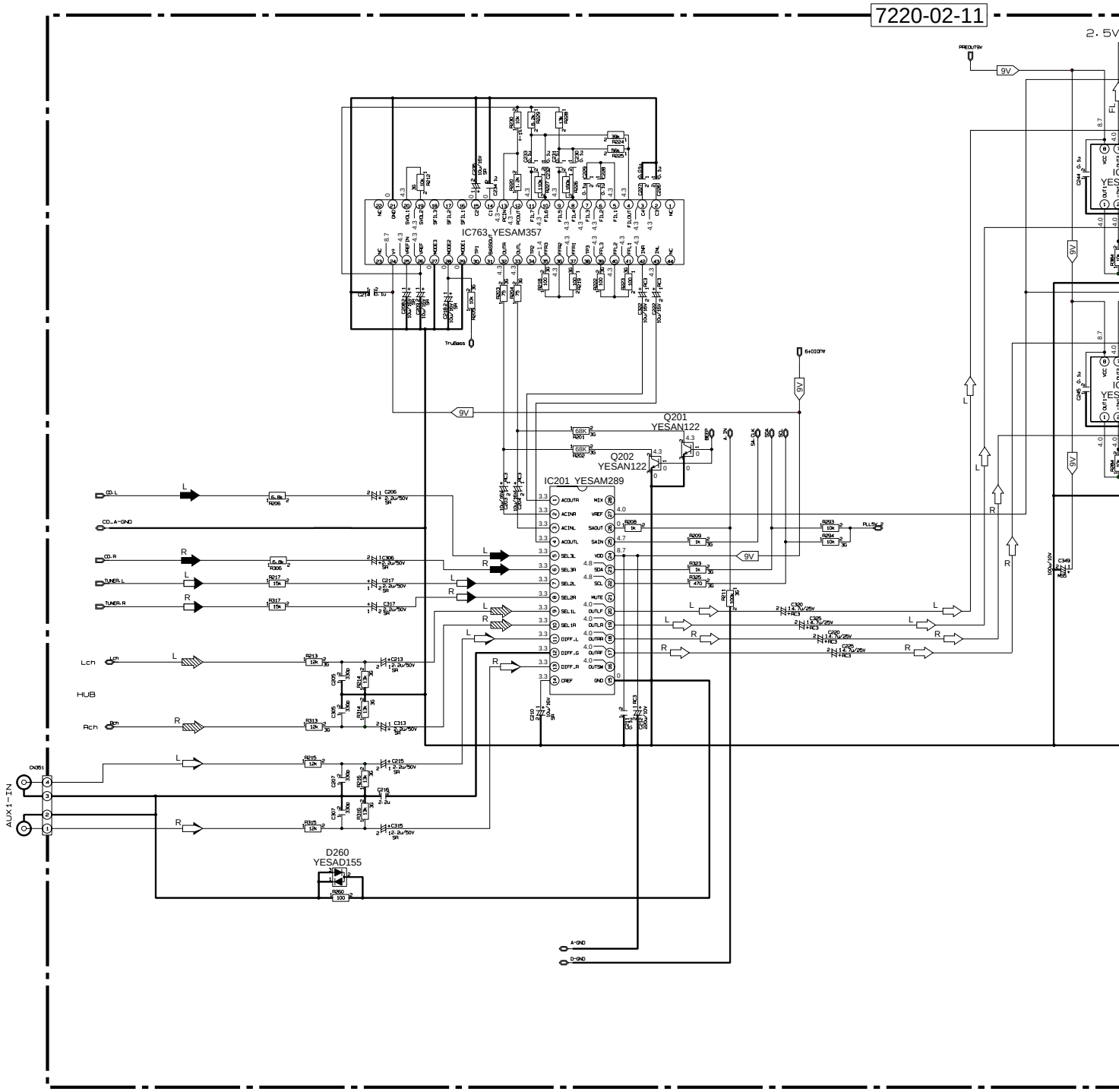
17.1. Main Block-1



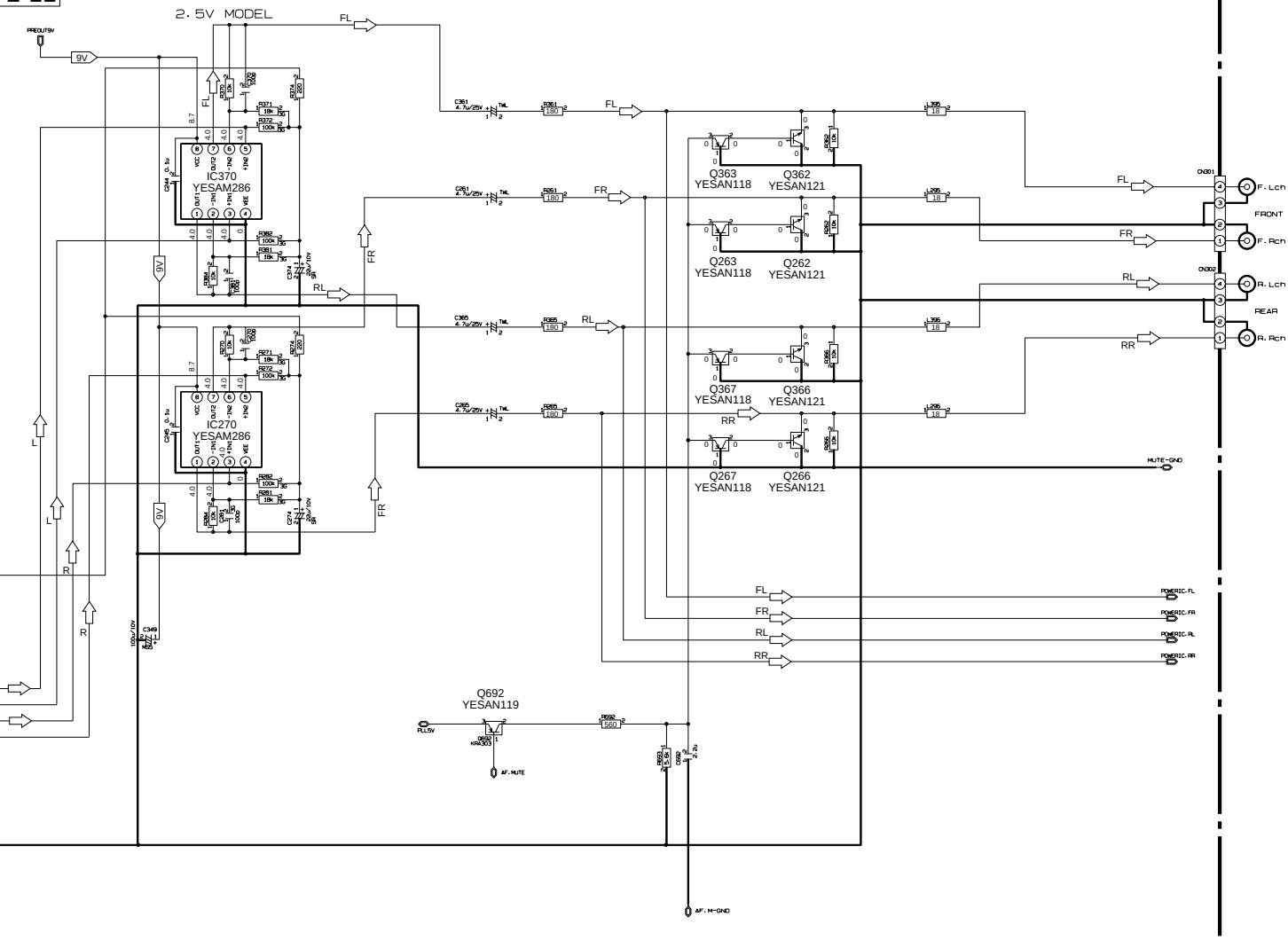
7220-02-11


IC760
YESAM287
IC680 YESAM265
IC810 YESAM344
IC271 YESAM274
IC601
YESAM354
IC755
YESAM347
IC750
YESAM267
IC740
YESAM299
IC710
YESAM340
D680
YESAD144
D685
YESAD119
D759
YESAD119
D607
YESAD119
D801
YESAD164
D281,282
YESAD146
D278
YESAD146
D279
YESAD146
D280
YESAD146
D270 -D277
YESAD146
D762
YESAD167
D761
YESAD167
D760
YESAD146
D741
1SS133T77
D792
YESAD144
D703
YESAD119
D791
YESAD119
D750
YESAD141
D720
YESAD164
D701
YESAD139
D790
YESAD143
Q730
YESAN115
Q731
YESAN123
Q751
YESAN079
Q740
YESAN079
Q761
YESAN090
5V
9V
VT 9V
CD 3.3V
CD 8V
VDD 5V
2V / DIV,0.2ms / DIV
2V / DIV,50µs / DIV
2.5V
2V / DIV,0.5ms / DIV
CN760
CN680
CN701
CQ-C5303N MAIN-1

17.2. Main Block-2



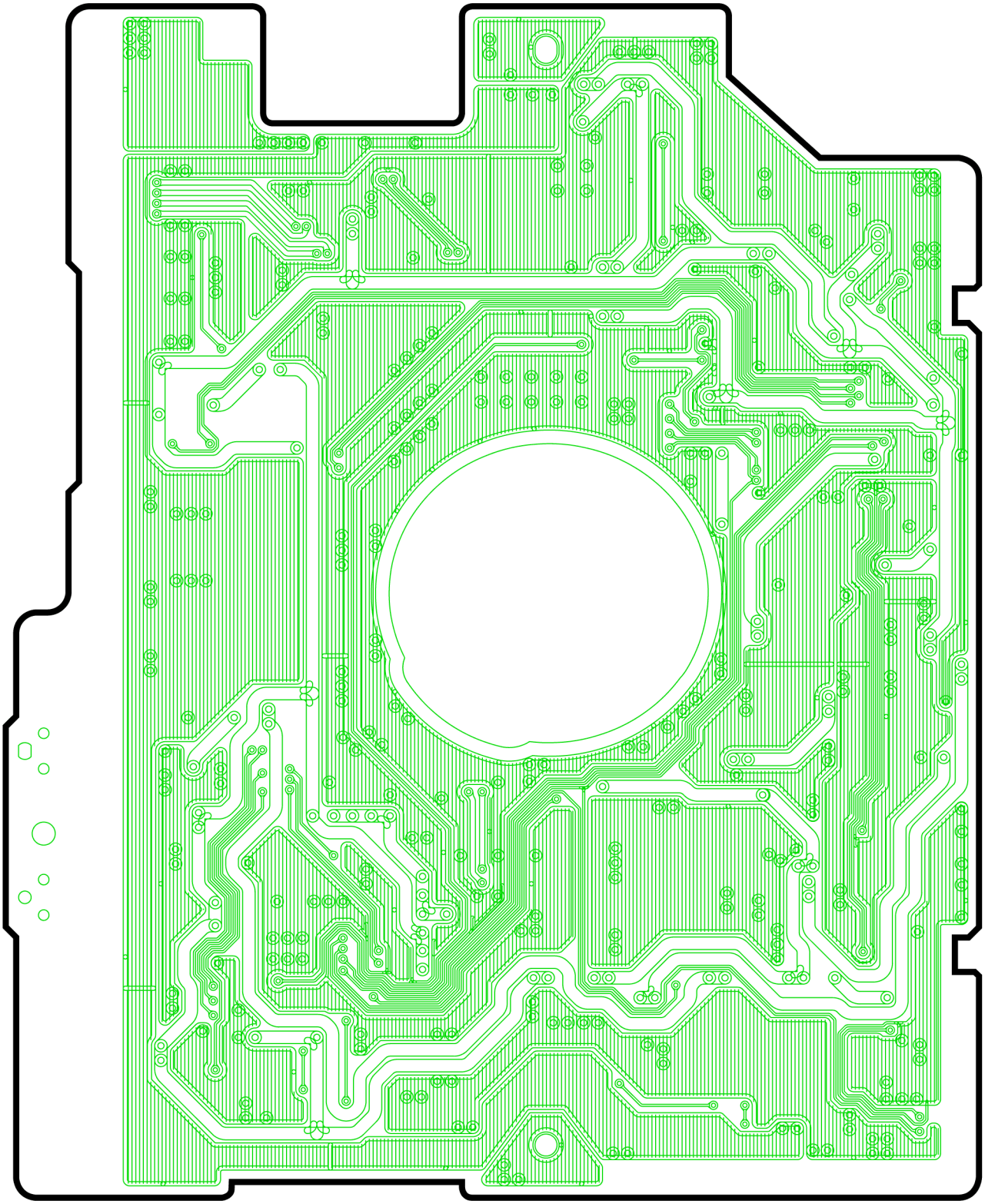
2-11



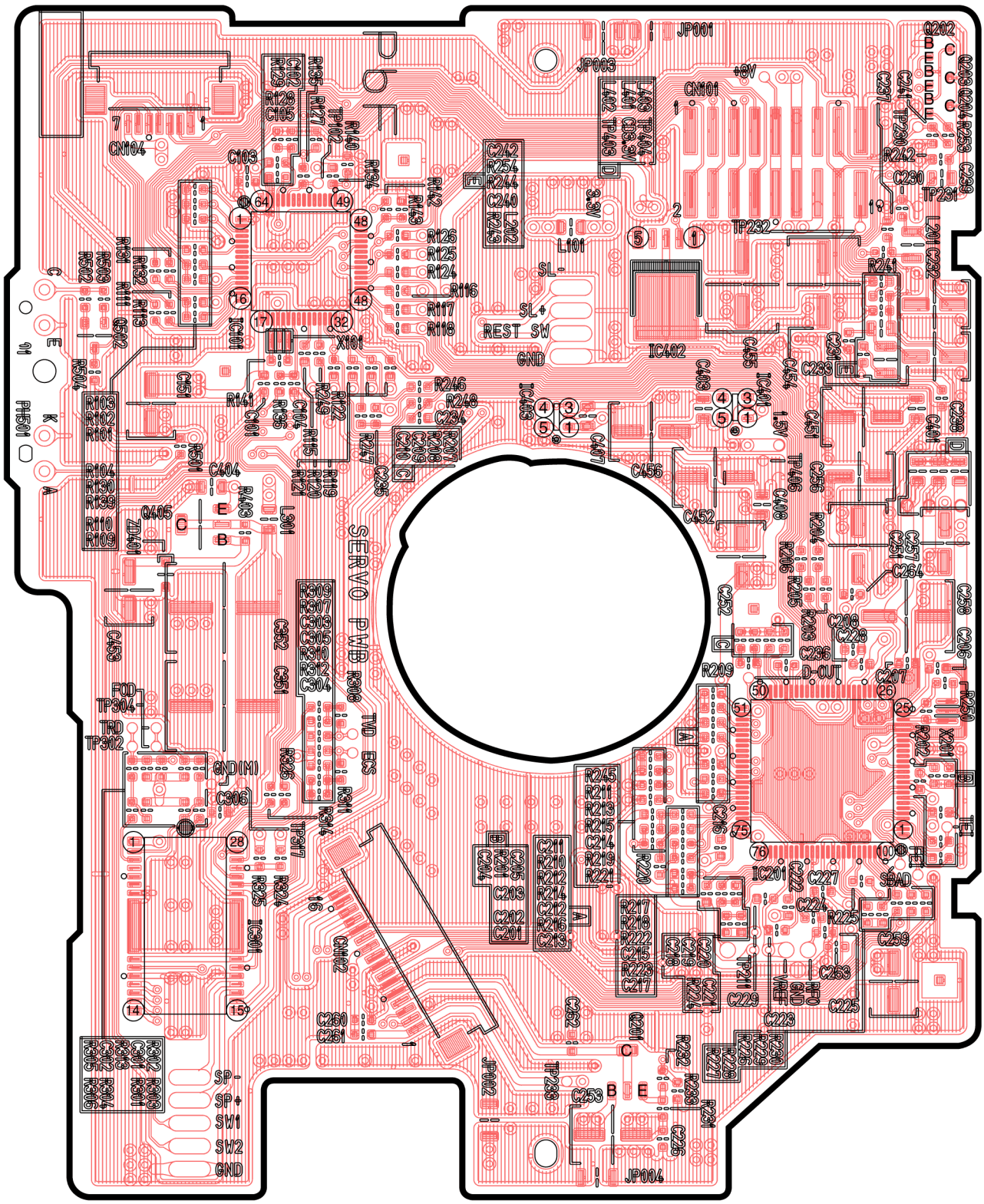
The following symbols are shown on the schematic diagram.

9V	9V
5V	5V
	RADIO(L,R)
	CD(L,R)
	AUDIO(L,R)
	HUB(L,R)
	AUX(L,R)

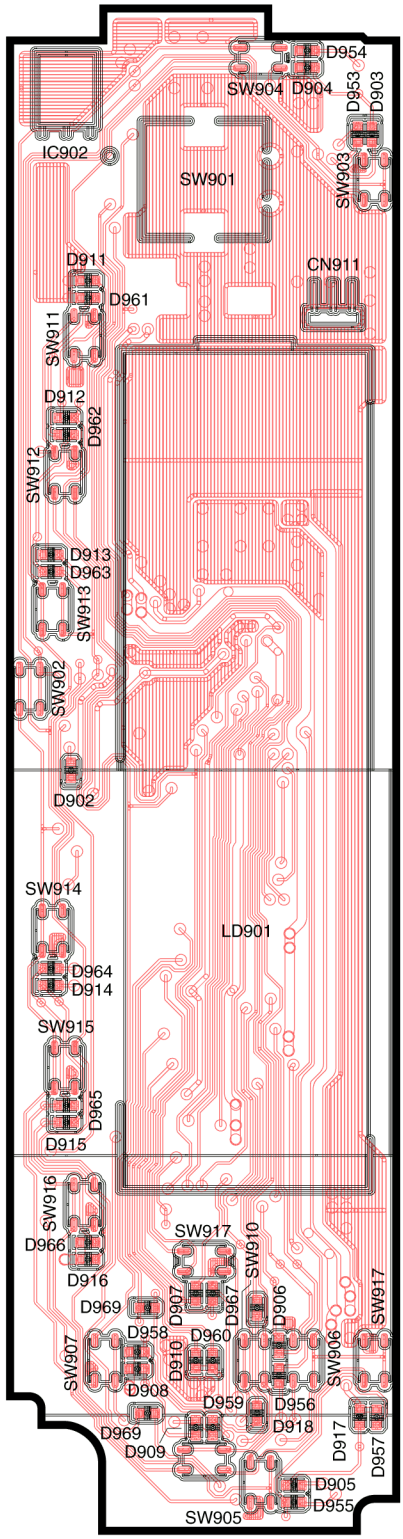
CQ-C5303N MAIN-2



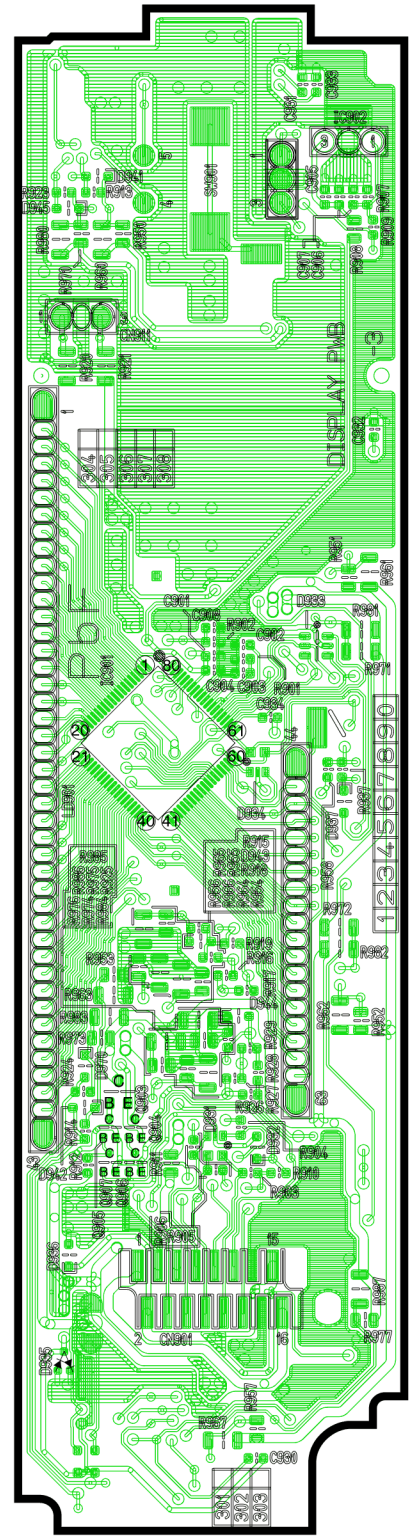
[3032-14-34] [Bottom View]



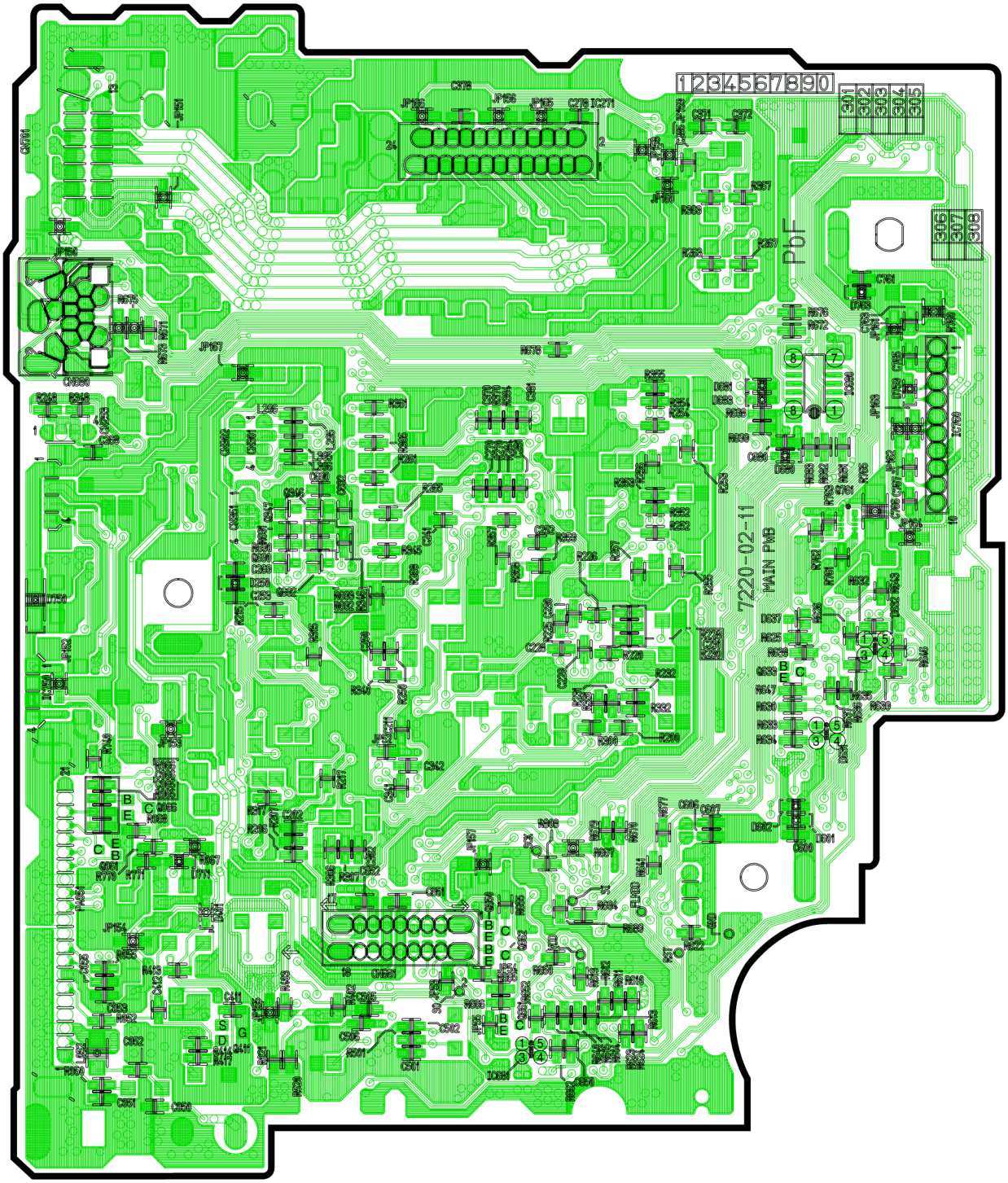
[3032-14-34] [Top View]



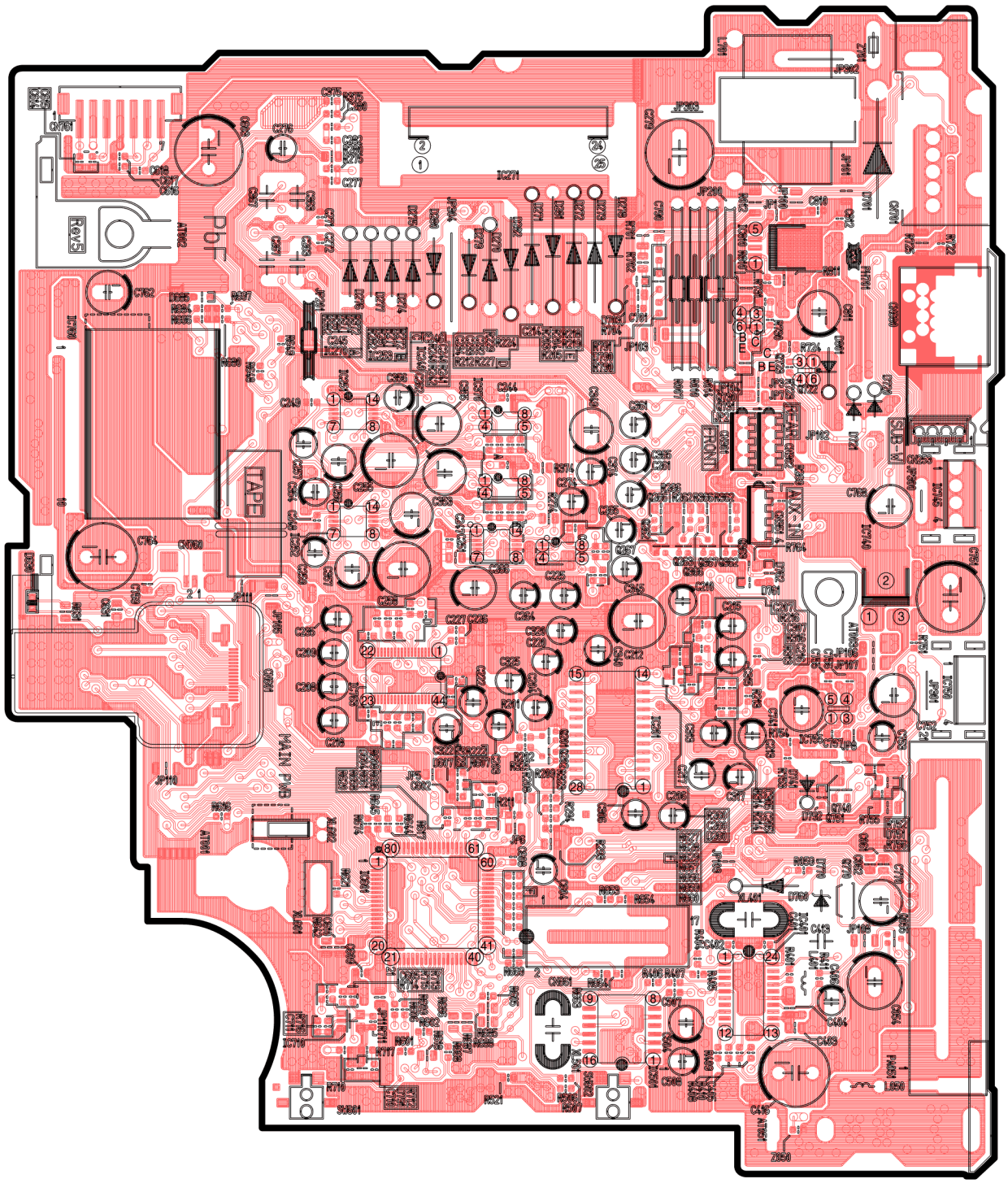
[7220-05-12] [Top View]



[7220-05-12] [Bottom View]



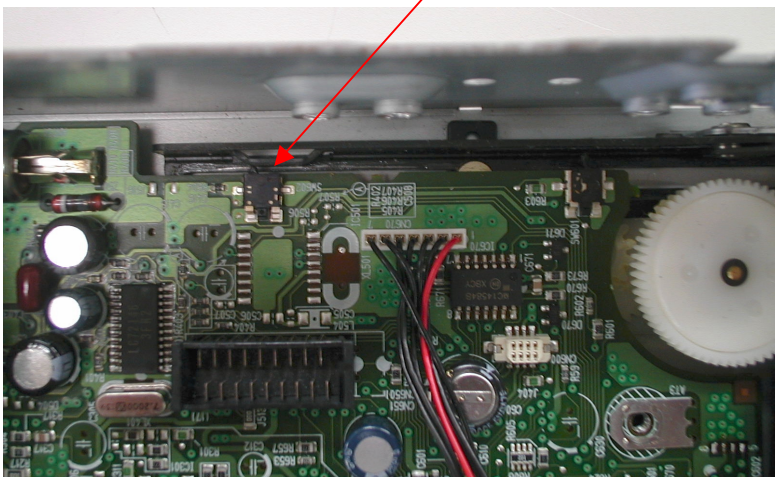
[7220-02-11] [Bottom View]



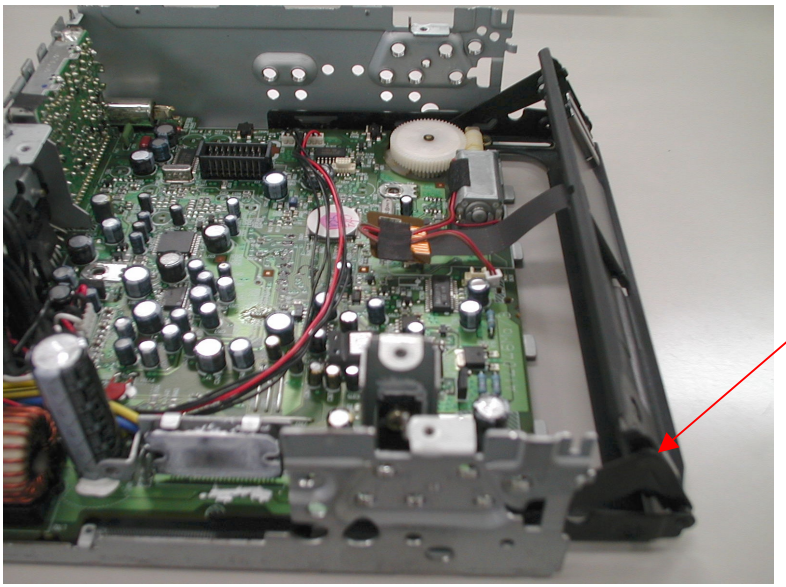
[7220-02-11] [Top View]

Please install as shown below in order to prevent damages on the end detection switch of the slide mechanism.

If the main P.C.B is installed when the slide mechanism is not moved forward, the switch will hit the metal part and will be damaged.

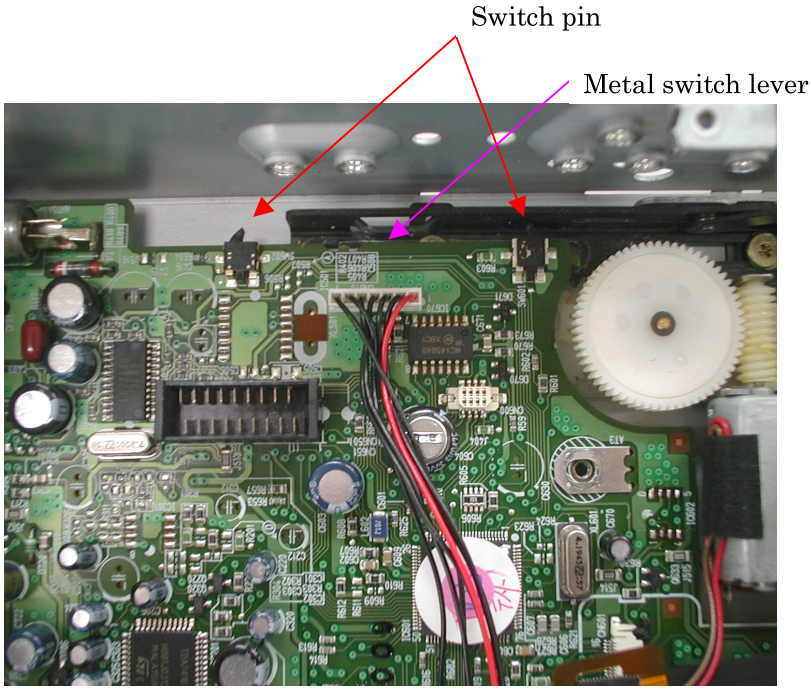


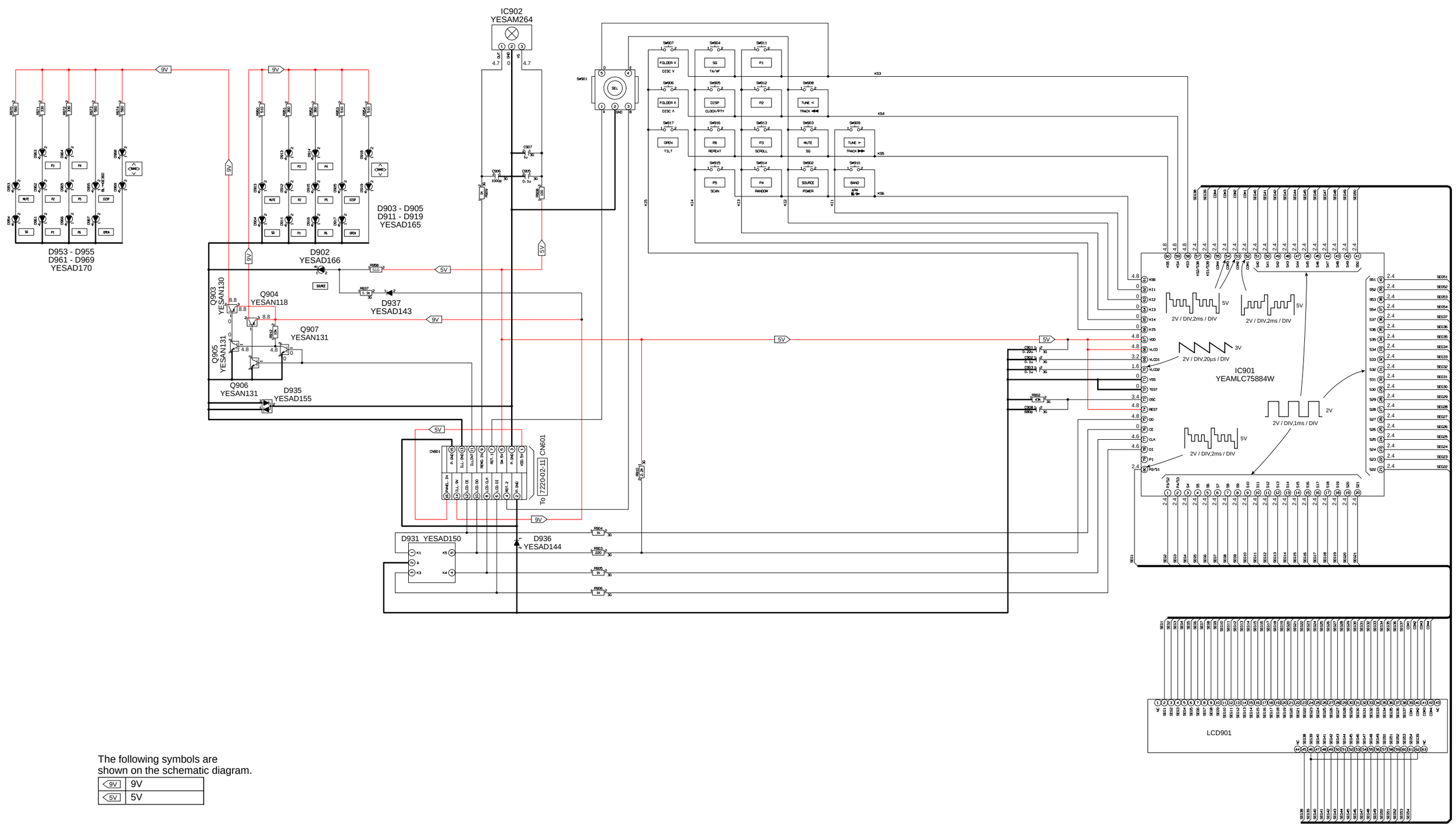
Move the front side by hand and install the main P.C.B. to the chassis when it is tilted 45 degrees.



When tilted 45 degrees

If the front side is tilted 45 degrees, the movable metal lever will not cling onto the switch pin.





The following symbols are shown on the schematic diagram.

9V	9V
5V	5V

The following symbols are shown on the schematic diagram.

	+B
	Acc
9V	9V
8V	8V
5V	5V
3.3V	3.3V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)
	HUB(L,R)

PA051

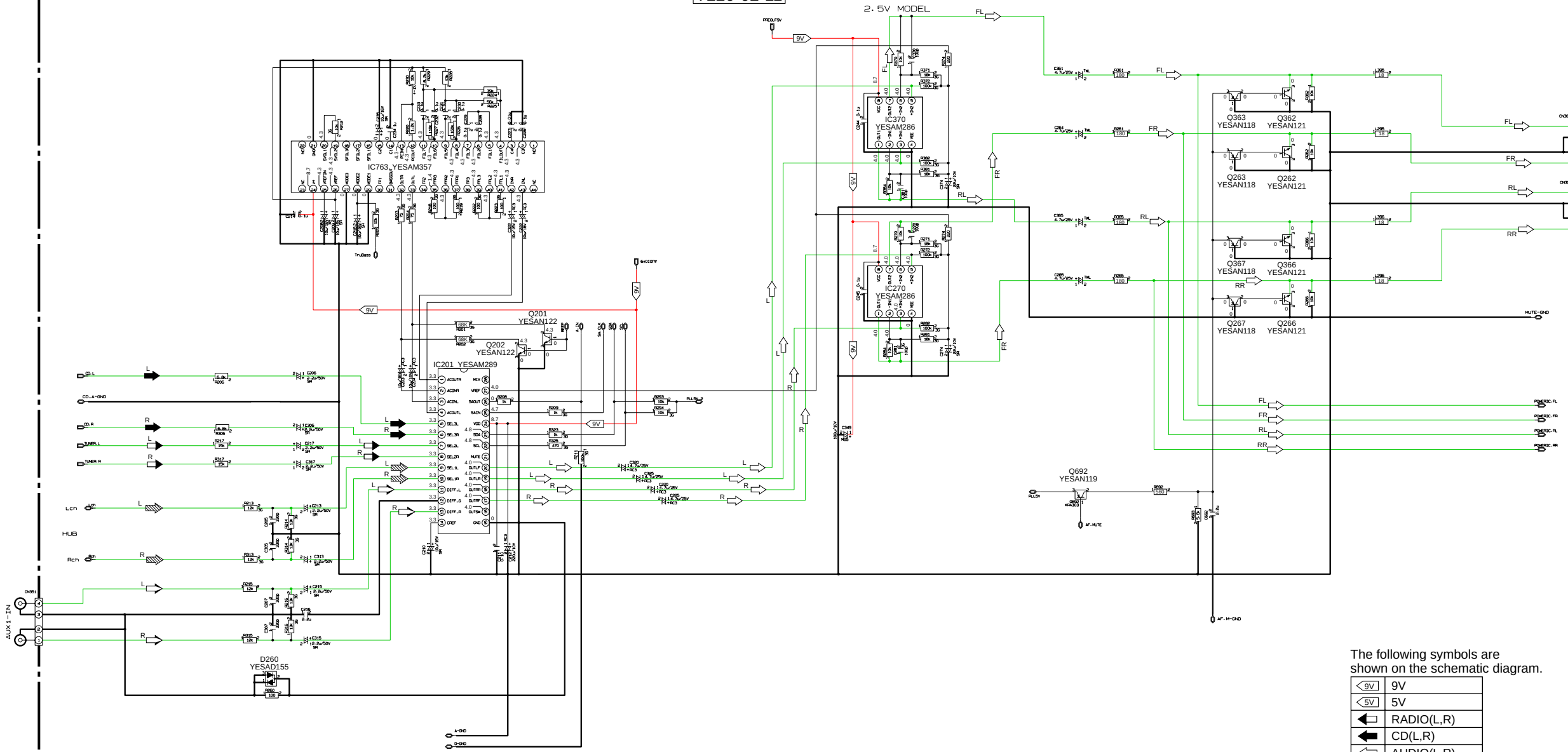
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
FM	0	0	0	-	-	1.3	7.9	7.8	2.3	0	0	3.5	3.4	0	0	0.2	4.8	0	0	0	0
AM	0	0	0	-	-	1.2	7.9	0.5	2.3	0	0	3.5	3.5	0	0	0	4.8	0	0	0	0

IC601

	FM	AM	CD		FM	AM	CD		FM	AM	CD		FM	AM	CD
1	1.9	1.9	1.9	21	4.7	4.7	4.7	41	2.4	2.4	2.4	61	0	4.7	0
2	4.8	4.8	4.8	22	4.7	4.7	4.7	42	0	0	3.6	62	0	0	0
3	4.8	4.8	4.8	23	4.8	4.8	4.8	43	4.8	4.8	4.9	63	4.9	4.9	4.9
4	4.6	4.6	4.6	24	0	0	0	44	4.7	4.7	4.7	64	9	0	0
5	4.6	4.6	4.6	25	0	0	0	45	4.8	4.8	4.8	65	0	0	0
6	4.8	4.8	4.8	26	4.8	4.8	4.8	46	0	0	0	66	0	0	0
7	4.7	4.7	4.7	27	-	-	-	47	0	0	4.8	67	0	0	0
8	0	0	0	28	2.6	0	2.5	48	0	0	0	68	4.8	4.8	4.8
9	0	0	0	29	0	0	0	49	-	-	-	69	4.8	4.8	4.8
10	4.8	4.8	4.8	30	4.8	4.8	4.8	50	0	0	0	70	0	0	0
11	2.5	2.5	2.5	31	4.8	4.8	4.8	51	0.2	0.2	2.2	71	9	0	0
12	2.1	2.1	2.1	32	0	0	0	52	0	0	0	72	4.8	4.8	4.8
13	0	0	0	33	0	0	0	53	4.8	4.8	1.5	73	0.2	0.2	0.2
14	2.4	2.4	2.4	34	4.8	4.8	4.7	54	4.7	4.7	4.7	74	4.8	4.8	4.8
15	2.3	2.3	2.3	35	0	0	0	55	4.8	4.8	4.8	75	4.7	4.7	4.7
16	2.5	2.5	2.5	36	4.8	4.8	4.7	56	4.8	4.8	4.8	76	4.6	4.6	4.6
17	0	0	0	37	4.8	4.8	4.7	57	4.7	4.7	4.7	77	4.8	4.8	4.8
18	0	0	0	38	4.7	4.7	4.6	58	0	0	0	78	4.7	4.7	4.7
19	4.8	4.8	4.8	39	0	0	0	59	4.8	4.8	4.8	79	0	0	0
20	4.8	4.8	4.8	40	4.8	4.8	4.8	60	0	0	0	80	4.8	4.8	4.8

To 3023-14-34 CN101

To 7220-05-12 CN901



The following symbols are shown on the schematic diagram.

9V	9V
5V	5V
	RADIO(L,R)
	CD(L,R)
	AUDIO(L,R)
	HUB(L,R)
	AUX(L,R)

IC201
YESAM343

IC101
YESAM337

IC301
YESAM339

IC401
YESAM341

IC402
YESAM342

IC403
YESAM341

Q201
YESAN086

Q202
81GDCFJJ008

Q203
YESAN116

Q204
YESAN116

X101
4.19MHz

X201
32.768kHz

To Optical Pic Up Assy

To CN661
CN101
Sw1
Sw2
CDRST
CD.MUTE
CDFS
CD.CN
CD.SCK
CD.SO
CD.SI
DCBV
DCBV
GND1M1
GND1M1
S-OUT
CD3.3V
Lch
GND1A1
GND
Rch

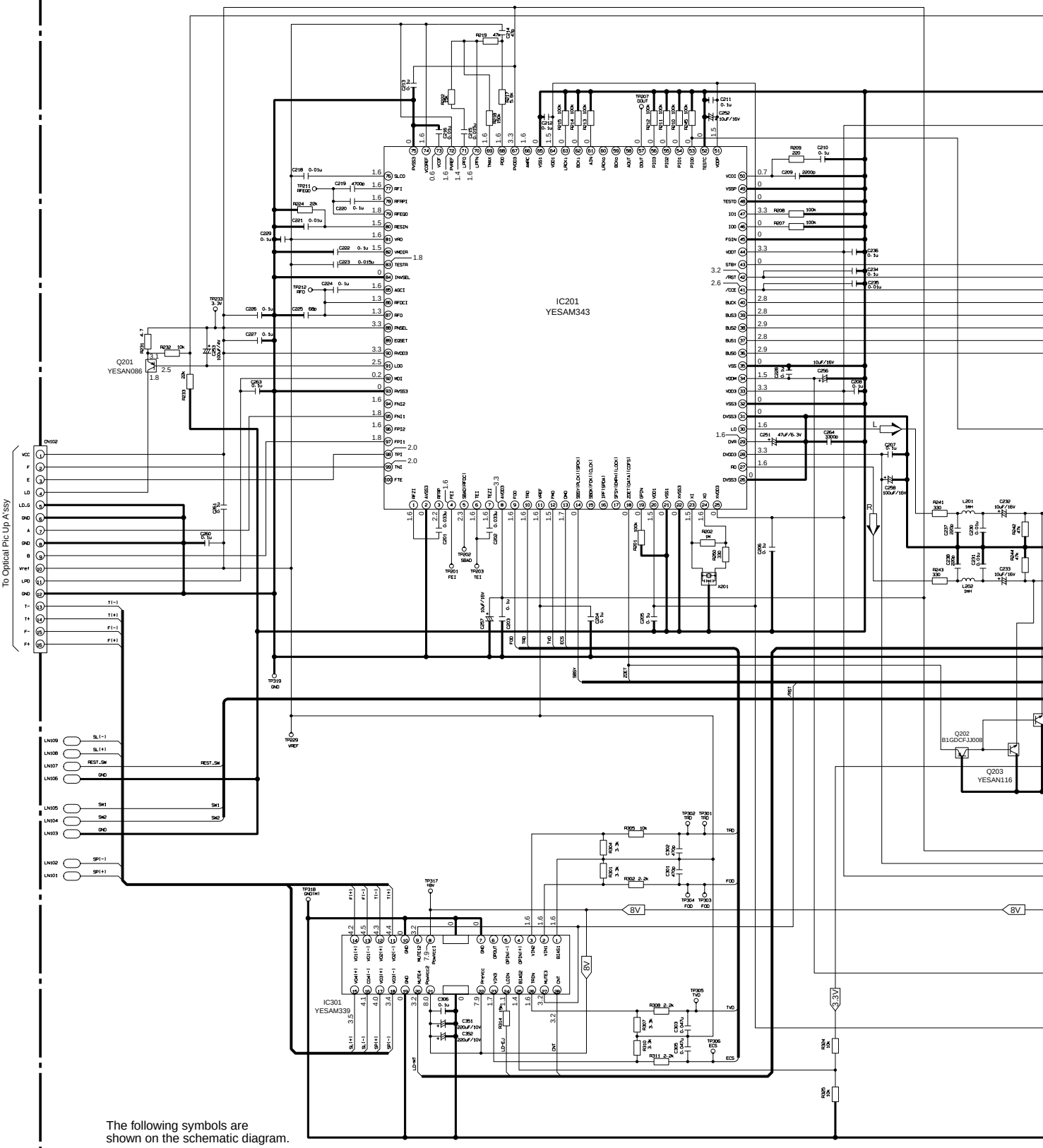
0.5V/DIV,0.1μs/DIV
2V/DIV,1ms/DIV
2V/DIV,5ms/DIV
2V/DIV,5ms/DIV

The following symbols are shown on the schematic diagram.

8V	8V
3.3V	3.3V
	CD(L,R)

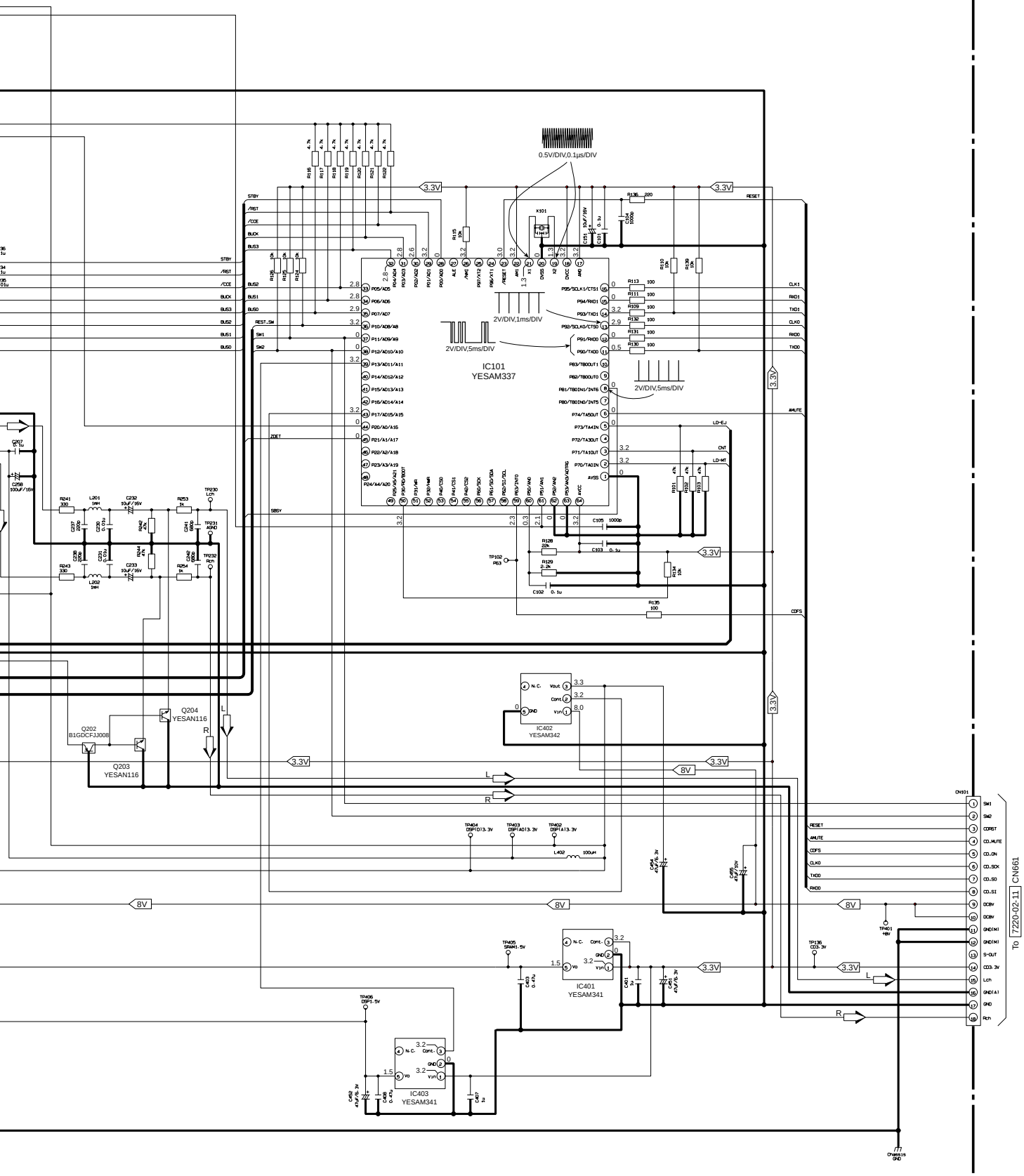
17.4. CD Servo Block

3032-14-34



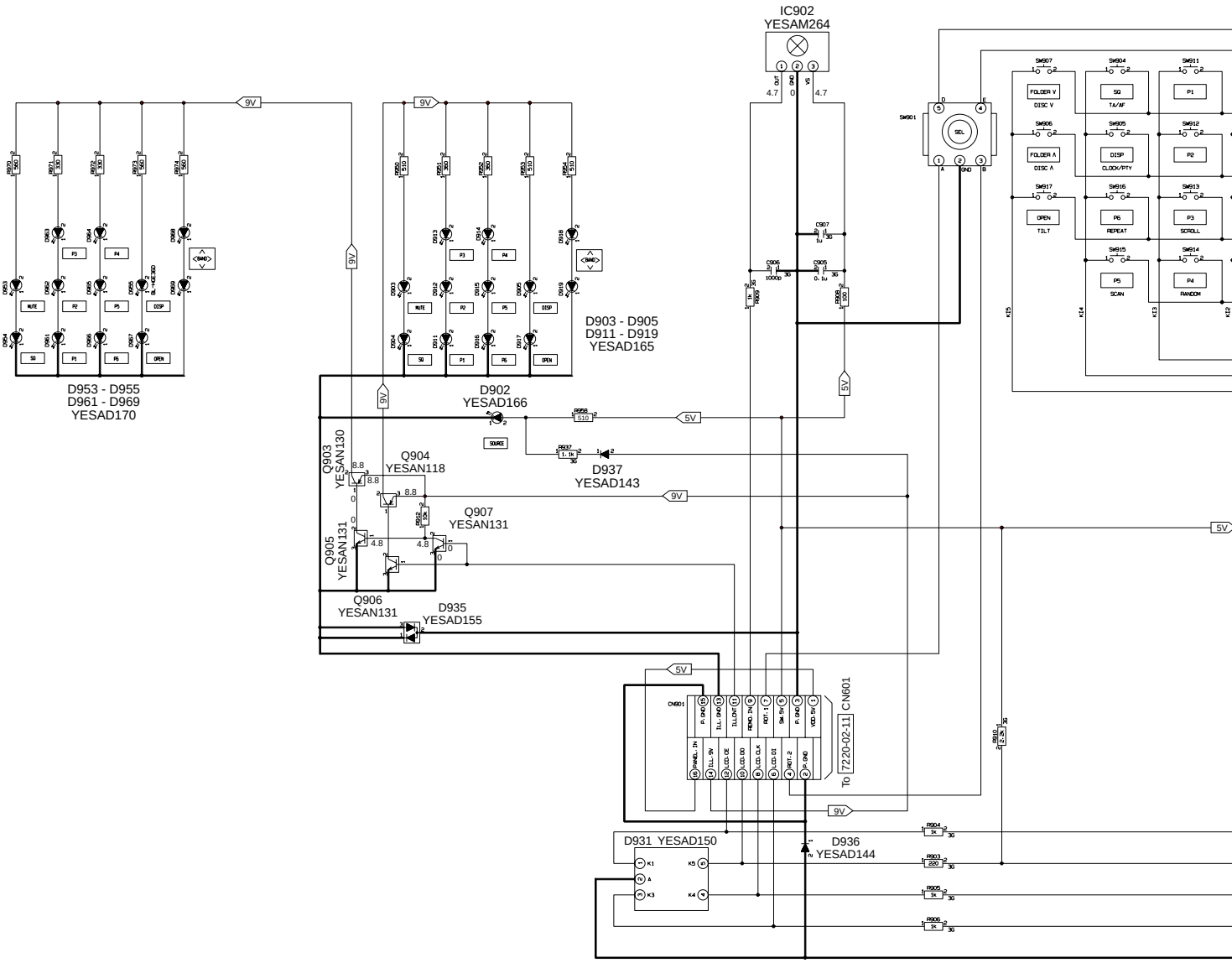
The following symbols are shown on the schematic diagram.

8V	8V
3.3V	3.3V
	CD(L,R)


IC101
YESAM337
0.5V/DIV,0.1µs/DIV
2V/DIV,1ms/DIV
2V/DIV,5ms/DIV
2V/DIV,5ms/DIV
IC402
YESAM342
IC401
YESAM341
IC403
YESAM341
Q202
B1GDCFJJ008
Q203
YESAN116
Q204
YESAN116
3.3V
8V
RESET
AMUTE
CDFS
CD.ON
CD.SCK
CD.SO
CD.SI
DCDV
GND(M)
S-OUT
CD3.3V
Lch
GND(A)
Rch
GND
CN101
To 7220-02-11 CN661
CQ-C5303N CD DECK

17.3. Display Block

7220-05-1



The following symbols are shown on the schematic diagram.

9V	9V
5V	5V